IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

BACHMANN et al.

Appl. No. 10/622,064

Filed: July 18, 2003

For:

Hapten-Carrier Conjugates and

Uses Thereof

Confirmation No.: 5977

Art Unit:

1645

Examiner:

To be assigned

Atty. Docket: 1700.0300001/BJD/SJE

Information Disclosure Statement

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98. A copy of documents AL1 to AN5; and AR1 to AT129 is provided.

Copies of documents AA1 to AB3 are not provided in accordance with the U.S. Patent and Trademark Office pre-OG notice of July 11, 2003, which states "[t]he Office hereby waives the requirement under 37 CFR 1.98 (a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication for all U.S. national patent applications filed after June 30, 2003."

The Examiner is referred to the following related, co-pending patent applications:

- U.S. Patent Application No. 09/449,631, inventors Renner et al., filed November 30, 1999, which is equivalent to International Application PCT/IB99/01925, filed November 30, 1999, and which was published in English on June 8, 2000 as WO 00/32227, submitted herewith as document AP1.
- U.S. Patent Application No. 10/289,454, filed November 7, 2002, inventors Bachmann et al., Pub. No. 2003/0157479 A1, listed as Document AK2;
- U.S. Patent Application No. 10/050,898, filed January 18, 2002, inventors Renner et al., Pub. No. 2003/0175711 A1, listed as Document AA3;
- U.S. Patent Application No. 10/050,902, filed January 18, 2002, inventors Renner et al., Pub. No. 2003/0175290 A1, listed as Document AB3;

- U.S. Patent Application No. 10/264,267, filed October 4, 2002, inventor Bachmann, M, submitted herewith as Document AR128;
- U.S. Patent Application No. 10/289,456, filed November 7, 2002, inventors Bachmann *et al.*, submitted herewith as Document **AS128**;
- U.S. Patent Application No. 10/617,876, filed July 14, 2003, inventors Bachmann *et al.*, submitted herewith as Document **AT128**;
- U.S. Patent Application No. 10/346,190, filed January 17, 2003, inventors Bachmann *et al.*, submitted herewith as Document **AR129**;
- U.S. Patent Application No. 10/622,087, filed filed July 18, 2003, inventors Bachmann *et al.*, submitted herewith as Document **AS129**;
- U.S. Patent Application No. 10/622,124, filed July 18, 2003, inventors Bachmann *et al.*, submitted herewith as Document **AT129**.

The identification of these U.S. Patent Applications is not to be construed as a waiver of secrecy as to these applications now or upon issuance of the present application as a patent. The Examiner is respectfully requested to consider the cited applications and the art cited therein during examination.

In accordance with 37 C.F.R. § 1.98(a)(3), Applicants' undersigned representative submits the following in regards to non-English language documents cited on the PTO-1449:

Document **AP3**, WO 94/06472 A1, is in the French language. The relevance of Document **AP3** can be ascertained by reference to the English language abstract appearing therein, and an unverified English language abstract attached as Document **AR94**.

Document AT37, Kozlovskaya, T.M., et al., "Formation of capsid-like structures as a result of the expression of a cloned envelope protein gene from RNA-containing bacteriophage fr," *Dokl. Akad. Nauk. SSSR 287*:452-455 (1986), is in the Russian language. An unverified English language abstract (from STNEasy/CAplus) is attached as Document AR38.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered. This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist.

This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits. No statement or fee is required.

It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO-1449, and to indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

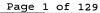
STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

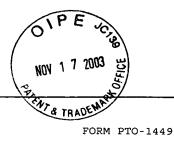
Brian J. Del Buono Attorney for Applicants Registration No. 42,473

Date: 17 2003

1100 New York Avenue, N.W. Suite 600 Washington, D.C. 20005-3934 (202) 371-2600

::ODMA\MHODMA\SKGF_DC1;199990;1





ATTY. DOCKET NO. APPLICATION NO. 1700.0300001/BJD/SJE 10/622,064 APPLICANT BACHMANN et al.

	July 18, 2
INFORMATION DISCLOSURE STATEMENT	FILING DAT

				District Co day			
INF	FORMATIO	N DISCLOSURE ST	ATEMENT	FILING DATE July 18, 2003	GROU 1645		
		<u> </u>	v.s.	PATENT DOCUMENTS			
EXAMINER							<u> </u>
INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA1	4,722,840	02/02/1988	Valenzuela <i>et al</i> .			09/19/1985
	AB1	5,071,651	12/10/1991	Sabara et al.			03/05/1990
	AC1	5,143,726	09/01/1992	Thornton et al.			11/20/1989
	AD1	5,334,394	08/02/1994	Kossovsky et al.			01/04/1993
	AE1	5,374,426	12/20/1994	Sabara et al.			10/30/1989
	AF1	5,580,859	12/03/1996	Felgner et al.			03/18/1994
	AG1	5,698,424	12/16/1997	Mastico et al.			01/03/1995
	AH1	5,739,026	04/14/1998	Garoff et al.			08/13/1992
	AI1	5,766,602	06/16/1998	Xiong et al.			01/19/1995
	AJ1	5,770,380	06/23/1998	Hamilton et al.			09/13/1996
	AK1	5,789,245	08/04/1998	Dubensky, Jr. et al.			10/30/1996
		-	FOREIG	N PATENT DOCUMENTS			
EXAMINER			_				
INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL1	WO 92/11291 A1	07/09/1992	WIPO			Yes No
	AM1	WO 96/30523 A2	10/03/1996	WIPO			Yes No
·-	AN1	WO 97/31948 A1	09/04/1997	WIPO			Yes No
	A01	WO 98/15631 A1	04/16/1998	WIPO			Yes No
	AP1	WO 00/32227 A2	06/08/2000	WIPO			Yes No
		OTHER (Inc.	luding Author,	Title, Date, Pertinent Pa	qes, etc.)		···
	AR	$\frac{1}{2}$ type 1 fin	J.M., et al., mbriae of <i>Esch</i> Academy Press	"An invertible element of nerichia coli," Proc. Natl. (1985)	DNA contro Acad. Sc.	ols phase i. <i>USA 82</i> :	variation of 5724-5727,
	AS	1 Conformat	ion of <i>Escheri</i>	"Glycerol-Induced Unraveli chia coli Type 1 Fimbriae, crobiology (1992)			
	AT	1 Resolves	the Discrepand	fucleotide Sequence from the sy between Serological and cademic Press, Inc. (1989)	Biophysica		
EXAMINER					DATE CONS	SIDEBED	

EXAMINER DATE CONSIDERED

Page 2 of 129

NOV 1 7 2003 2					
PRADEMINE TRADEMINE	ATTY. DOCKET NO.	APPLICATION NO.			
	1700.0300001/BJD/SJE	10/622,064			
FORM PTO-1449	APPLICANT BACHMANN et al.				
INFORMATION DISCLOSURE STATEMENT	FILING DATE GROUP July 18, 2003 1645				
v.s	. PATENT DOCUMENTS				
XAMINER					

					July 18, 2003	1645		
				v.s.	PATENT DOCUMENTS			
EXAMINER INITIAL		DOCU	MENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA2	5,792	2,462	08/11/1998	Johnston et al.		<u></u>	05/23/1995
	AB2	5,814	1,482	09/29/1998	Dubensky, Jr. et al.			10/30/1996
	AC2	5,871	1,747	02/16/1999	Gengoux-Sedlik et al.			04/28/1995
	AD2	5,928	3,647	07/27/1999	Rock			09/15/1995
	AE2	6,004	1,763	12/21/1999	Gengoux et al.			05/12/1998
	AF2	6,054	1,312	04/25/2000	Larocca et al.			08/29/1997
	AG2	6,23	1,864 B1	05/15/2001	Birkett		<u> </u>	02/11/1999
	AH2	6,380	0,364 B1	04/30/2002	Mueller et al.			10/06/1999
	AI2	2002/	/0064533 A1	05/30/2002	Murray			06/04/2001
	AJ2	2002	/0081295 A1	06/27/2002	Schiller et al.			04/13/2001
	AK2	2003/	/0157479 A1	08/21/2003	Bachmann et al.			11/07/2002
				FOREIG	N PATENT DOCUMENTS			
EXAMINER INITIAL	į	DOCUM NUMBI		DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL2	WO 00	0/59928 A1	10/12/2000	WIPO			Yes No
	AM2	WO 00	0/23955 A1	04/27/2000	WIPO			Yes No
	AN2	WO 01	L/62284 A2	08/30/2001	WIPO		_	Yes No
	A02	WO 01	L/85208 A2	11/15/2001	WIPO			Yes
	AP2		9/28478 Al		WIPO			Yes No
		1	OTHER (Incl	uding Author,	Title, Date, Pertinent Pa	ges, etc.)		
	AR	2			ases, blood and the immune Il Pensiero Scientifico Ed			
	AS	<u>2</u>	Receptor 5	and Reprogra	n Vivo-activated CD4 T Cel m Their Response to Lympho efeller University Press (id Chemoki	ate CXC C	heomkine Exp. Med.
	AT	<u>2</u>	Ansel, K.M lymphoid f	., et al., "A ollicles," Na	chemokine-driven positive ture 406:309-314, Nature P	feedback Publishing	loop orga Group (Ju	nizes ly 2000)

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

DATE CONSIDERED

EXAMINER



ATTY. DOCKET NO. 1700.0300001/BJD/SJE

APPLICATION NO. 10/622,064

APPLICANT

	-	. 01	110 1113				PPLICANT ACHMANN et al.				
INFORMATION DISCLOSURE STATEMENT						F	FILING DATE GROUP July 18, 2003 1645				
					U.S.	PATE	NT DOCUMENTS				
EXAMINER INITIAL		DOCU	MENT NUMBER	DA'	TE	NAM	E		CLASS	SUB- CLASS	FILING DATE
•	AA3	2003,	/0175711 A 1	09,	/08/2003	Ren	ner et al.		_		01/18/2002
	AB3	2003,	/0175290 A1	09,	/18/2003	Ren	ner et al.				01/18/2002
	AC					_					
	AD		•								
	AE	,									
, ,	AF										
	AG										
	AH		, :								
·	AI			\vdash							
	AJ		,							 	1
	AK						· · · · · · · · · · · · · · · · · · ·			1	
	1		 		FORETGI	N PA'	TENT DOCUMENTS	ı		- I	<u> </u>
EXAMINER		1	· · · · · · · · · · · · · · · · · · ·				The state of the s				
INITIAL		DOCUM	MENT NUMBER		DATE		COUNTRY		CLASS	SUB- CLASS	TRANSLATION
	AL3	WO 99	9/57289 A2 &	А3	11/11/19	99	WIPO				Yes No
	АМ3	WO 00	0/50461 A1	A1 08/31/20		00	WIPO				Yes No
	AN3	EP 0	259 149 B1		12/15/19	93	Europe				Yes No
	A03	EP 0	385 610 B1		03/16/19	94	Europe				Yes No
	AP3	WO 94	1/06472 A1		03/31/19	94	WIPO				Yes X No
			OTHER (Inclu	ding	g Author,	Tit:	le, Date, Pertinent	Pages	, etc.)		
	AR	<u>3</u>	Rejection:	IL-	17 Promote	es t	Evidence for a Role he Functional Differ 62:577-584, The Amer	entia	tion of	Dendriti	c Cell
	AS	<u>3</u>	and angioge	nes	is in a h	uman	e murine CC chemokin lung cancer SCID mo inger-Verlag (Januar	use m	odel,"	inhibits Cancer Im	tumor growth
	AT	3	Arnon, R., synthesis a (December 2	nd (character:	imot izat	ope peptide-based va ion," <i>Immunology</i> 101	ccine :555-	agains 562, Bla	t <i>Schisto</i> ackwell S	soma mansoni: cience, Ltd.
EXAMINER			<u> </u>					DA'	re Consi	DERED	



ATTY. DOCKET NO. 1700.0300001/BJD/SJE APPLICATION NO. 10/622,064

APPLICANT

				BACHMANN et al.			
INFO	RMATIO	ON DISCLOSURE STA	TEMENT	FILING DATE July 18, 2003	GROU 1645		
			υ.s.	PATENT DOCUMENTS			
EXAMINER INITIAL,		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA						
	AB						
	AC		_L				
	AD						
!	AE						
,	AF						
	AG						
	AH		_				
	AI_						
	AJ						
	AK						
		_	FOREIG	N PATENT DOCUMENTS			
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL4	EP 0 465 081 B1	04/20/1994	Europe			Yes No
	AM4	EP 0 283 505 B1	07/06/1994	Europe			Yes No
	AN4	WO 94/15585 A1	07/21/1994	WIPO			Yes No
	A04	EP 0 425 082 B1	04/26/1995	Europe			Yes No
	AP4	WO 96/05293 A1	02/22/1996	WIPO			Yes No
		OTHER (Incl	uding Author,	Title, Date, Pertinent Pag	ges, etc.)		
	AR	antibody n	M.F., and Zin esponses and cience, Ltd.	kernagel, R.M., "The influvirus serotype formation," (1996)	ence of vi Immunol.	rus struc Today 17:	ture on 553-558,
	AS	Bachmann, Annu. Rev.	M.F., and Zin Immunol. 15:	kernagel, R.M., "Neutraliz 235-270, Annual Reviews, I	ing Antivi nc. (1997)	ral B Cel	l Responses,"
	AT	4 for CD40 L	igand-indepen	"TRANCE, a Tumor Necrosis dent T Helper Cell Activat niversity Press (1999)	Factor Fa	mily Members, Med.	er Critical 189:1025-
EXAMINER		<u> </u>			DATE CONS	IDERED	

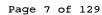


ATTY. DOCKET NO. 1700.0300001/BJD/SJE APPLICATION NO. 10/622,064

	I	FORM PTO-1449	9	APPLICANT BACHMANN et al.				
IN	FORMATIO	N DISCLOSURE	STATEMENT	FILING DATE July 18, 2003		GROUP 1645)	
			v.s.	PATENT DOCUMENTS			-	
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CL	ASS	SUB- CLASS	FILING DATE
	AA							
	AB					_		
	AC							
	AD							
	AE AF							
	AG							
	AH	<u> </u>						
	AI						<u> </u>	
	AJ					_		
	AK							
			FOREIG	N PATENT DOCUMENTS				
EXAMINER								
INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CL	ASS	SUB- CLASS	TRANSLATION
	AL5	WO 99/07839 & A3	A2 02/18/1999	WIPO				Yes No
	AM5	WO 99/40934		WIPO				Yes No
	ANS	WO 99/67293	A1 12/29/1999	WIPO				Yes No
	AO							Yes No
	AP					_		Yes No
		OTHER (Including Author,	Title, Date, Pertin	ent Pages,	etc.)		
	AR	5 Molecu	les Is Determined	ar, M.A., "Dimerizat by a Single Cystein or Biochemistry and M	ne," <i>J. Bio</i> .	l. Cher	n. <i>276</i> :259	970-25973,
	AS	<u>5</u> enter	Bard, F. et al., "Peripherally administered antibodies against amyloid β-peptide enter the central nervous system and reduce pathology in a mouse model of Alzheimer disease," Nat. Med. 6:916-919, Nature Publishing Company (August 2000)					
	AT	₅ Functi	S., and Yang, M., on: A Practical A Britain, pp. 29-5	"Expressing cloned pproach, 2nd ed., Cr (1997)	genes in Es	scheric E., ed	chia coli, l., IRL Pi	," in <i>Protein</i> cess, Oxford,
EXAMINER		·			DATE	CONSI	DERED	

EXAMINER INITIAL AP AE AC AI AE AE	FO:	RM PTO-1449 DISCLOSURE ST	ATEMENT	ATTY. DOCKET NO. 1700.0300001/BJD/SJE APPLICANT BACHMANN et al. FILING DATE		10/62	CATION NO 2,064	-
EXAMINER INITIAL AP AE AC AI AE AE	ATION		ATEMENT	BACHMANN et al.				
EXAMINER INITIAL AP AE AC AI AE AF AF AF AF AF AF AF AF AF		DISCLOSURE ST	ATEMENT	FILING DATE				
INITIAL AP AE AC AI AI AE AG AG				July 18, 2003		GROUP 1645		
INITIAL AP AE AC AI AE AE AE AE AE AE AE AE AE			v.s.	PATENT DOCUMENTS				
AE AC AI AE AE		DOCUMENT NUMBER	DATE	NAME	CIT	ASS	SUB- CLASS	FILING DATE
AC AI AI AI AC AC								
AI AE AI	В							
AF AC	С							
AA AC	D							
AC	E							
	F							
	G							
Al	н							
A1	I							
Ac	J	•					<u> </u>	
AF	K		<u> </u>	1				
	. 1		FOREIG	N PATENT DOCUMENTS				
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CI	ASS	SUB- CLASS	TRANSLATION
								Yes
AI								Yes
AM								Yes
Al	N							No
AC	0							Yes
AI	P							Yes No
		OTHER (Inc	luding Author,	Title, Date, Pertinent	Pages,	etc.)		
AR	· _ <u>e</u>	Analysis	of Mouse and H	"Purification, Bioactivi Auman Macrophage Migratio 4155, American Chemical	on Inhib	itory	Factor (
AS	S _ (lar, D.B., "Studies on 1 1, North-Holland Publush				micelles,"
AT	r <u>, </u>			The lymphocyte chemoattra HIV-1 entry," <i>Nature 382</i>				
EXAMINER					DATE	CONSI	DERED	

communication to Applicant.



/o'' -	10,736
(NOV 1.7	ma z
SPIENT & TRA	<i>'</i> e'/

APPLICATION NO. ATTY. DOCKET NO. 1700.0300001/BJD/SJE 10/622,064 FORM PTO-1449 APPLICANT BACHMANN et al. INFORMATION DISCLOSURE STATEMENT FILING DATE GROUP July 18, 2003 1645 U.S. PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT DATE NAME CLASS SUB-FILING DATE NUMBER CLASS AΑ AB AC AD ΑE AF AG AΗ ΑI АJ ΑK FOREIGN PATENT DOCUMENTS EXAMINER DOCUMENT DATE COUNTRY CLASS TNTTTAL. SUB-TRANSLATION NUMBER CLASS Yes AT. No Yes ΑM No Yes AN No Yes ΑO No Yes AΡ No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Blomfield, I.C., et al., "Type 1 Fimbriation and fimE Mutants of Escherichia coli K-12," J. Bacteriol. 173:5298-5307, American Society for Microbiology (1991) AR 7 Blomfield, I.C., et al., "Integration host factor stimulates both FimB- and FimEmediated site-specific DNA inversion that controls phase variation of type 1 AS 7 fimbriae expression in Escherichia coli, " Mol. Microbiol. 23:705-717, Blackwell Science, Ltd. (1997) 1 Boder, E.T., and Wittrup, K.D., "Yeast Surface Display for Directed Evolution of ΑT Protein Expression, Affinity, and Stability, " Methods Enzymol. 328:430-444, 7 Academic Press (October 2000) EXAMINER DATE CONSIDERED **EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



	APPLICATION NO. 10/622,064
APPLICANT BACHMANN et al.	

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT GROUP FILING DATE July 18, 2003 1645 U.S. PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT DATE NAME CLASS SUB-FILING DATE NUMBER CLASS AΑ AΒ AC AD ΑE AF AG AΗ ΑI ΑJ ΑK FOREIGN PATENT DOCUMENTS EXAMINER DOCUMENT DATE COUNTRY CLASS INITIAL SUB-TRANSLATION NUMBER CLASS Yes ΑL No Yes AM No Yes AN No Yes ΑO No Yes ΑP No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Bonci, A., et al., "Relatedness and Phylogeny Within the Family of Periplasmic Chaperones Involved in the Assembly of Pili or Capsule-Like Structures of Gram-AR <u>8</u> Negative Bacteria, " J. Mol. Evol. 44:299-309, Springer-Verlag (1997) Brandner, S., et al., "A crucial role for B cells in neuroinvasive scrapie," AS 8 Transfus. Clin. Biol. 6:17-23, Elsevier, Paris (1999) Brinton, Jr., C.C., "The structure, function, synthesis and genetic control of bacterial pili and a molecular model for DNA and RNA transport in gram negative AΤ 8 bacteria," Trans. N.Y. Acad. Sci. 27:1003-1054, New York Academy of Sciences (1965) EXAMINER DATE CONSIDERED



	APPLICATION NO. 10/622,064
APPLICANT BACHMANN et al.	

INFORMATION DISCLOSURE STATEMENT GROUP FILING DATE July 18, 2003 1645 U.S. PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT DATE NAME CLASS SUB-FILING DATE NUMBER CLASS AA ΑВ AC AD ΑE AF AG AΗ ΑI ΑJ ΑK FOREIGN PATENT DOCUMENTS EXAMINER DOCUMENT DATE COUNTRY CLASS SUB-INITIAL TRANSLATION NUMBER CLASS Yes ALNo Yes AΜ No Yes ANNo Yes ΑO No Yes No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Brown, K.D., et al., "A family of small inducible proteins secreted by leukocytes are members of a new superfamily that includes leukocyte and fibroblast-derived inflammatory agents, growth factors, and indicators of various activation processes," J. Immunol. 142:679-687, The American Association of Immunologists AR <u>9</u> (1989) Brown, P.M., et al., "A Single-Step Purification of Biologically Active AS Recombinant Human Interleukin-5 from a Baculovirus Expression System," <u>9</u> Protein Expr. Purif. 6:63-71, Academic Press, Inc. (1995) Brown, K.L., et al., "Scrapie replication in lymphoid tissues depends on prion ΑT protein-expressing follicular dendritic cells," Nat. Med. 11:1308-1312, Nature 9 Publishing Company (1999) EXAMINER DATE CONSIDERED

Page 10 of 129

NOV 1 7 2003 30 HOVE
TA TRADE

FORM PTO-1449

ATTY. DOCKET NO. 1700.0300001/BJD/SJE APPLICATION NO. 10/622,064

APPLICANT

BACHMANN et al.

				BACHMA	ANN et al.			
IN	FORMATION	N DISCLOSURE S	TATEMENT		G DATE 18, 2003		ROUP 645	
			σ.	S. PATENT D	OCUMENTS			
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME		CLAS	S SUB- CLASS	FILING DATE
	AA							
	AB							
	AC							
	AD							
	AE				<u> </u>			
	AF							
	AG							
	AH	i	_					
	AI	 						
	AJ	-						
	AK							<u> </u>
		T	FORI	ZIGN PATENT	DOCUMENTS			
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY		CLAS	S SUB- CLASS	TRANSLATION
	AL							Yes No
	АМ							Yes No
	AN							Yes No
	AO							Yes No
	AP							. Yes No
		OTHER (In	cluding Autho	or, Title,	Date, Pertinen	t Pages, et	c.)	
	AR	depends	on chaperone	uncapping	nt of pilus or of a beta zipp y Press (1996)	er," Proc.		
	AS /				"Bacterial Adh " <i>Biophys. J</i> .			
	AT /	10 leukemia	B cells from	m spontaneo	rived nurse-li us apoptosis t rican Society	hrough str	omal cell-de	
EXAMINER						DATE (CONSIDERED	



ATTY. DOCKET NO. 1700.0300001/BJD/SJE

APPLICATION NO. 10/622,064

APPLICANT

					BACHMANN et al.				
INF	ORMATION	1 DISC	LOSURE STA	TEMENT	FILING DATE July 18, 2003		GROUP 1645		
				U.S.	PATENT DOCUMENTS				
EXAMINER INITIAL		DOCUI NUMBI		DATE	NAME	CLA	ss	SUB- CLASS	FILING DATE
	AA				-				
	AB	1	. 4.						
	AC			f.					
	AD								
	AE								
	AF	ļ							
	AG	.							
	AH	↓							
	AI	ļ							
	AJ	<u> </u>							
	AK								
<u> </u>				FOREIG	N PATENT DOCUMENTS				
EXAMINER INITIAL		DOCUI NUMBI		DATE	COUNTRY	CLA	ss	SUB- CLASS	TRANSLATION
	AL	ļ						`	Yes No
	AM								Yes No
	AN								Yes No
	AO	ļ	<u> </u>				<u> </u>		Yes No
	AP								Yes No
 	<u> </u>	0	THER (Incl	uding Author,	Title, Date, Pertinent Pa	ges, e	tc.)	· · · · · · · · · · · · · · · · · · ·	
	AR	11	Escherich: Stimulates	ia coli F-18 D	"Utilization of the Mouse NA Sequence That Enhances Type 1 Fimbriae," <i>Infect</i> . y (1993)	Coloni	izing	Ability a	and
	AS		Recombinar	rlson S., et a nt Human Inter emic Press (19	al., "Expression, Purificat leukin-13 from NS-O Cells, 98)	ion, a	and Ch	aracteri Xxpr. Pur	zation of if.12:239-
Chabaud, M., et al., "Enhancing Effect of IL-17 on IL-1-Induced IL-6 and Le Inhibitory Factor Production by Rheumatoid Arthritis Synoviocytes and Its Regulation by Th2 Cytokines," J. Immunol. 161: 409-414, The American Associof Immunologists (1998)								d Its	
EXAMINER		-				DATE	CONSI	DERED	



ATTY. DOCKET NO. 1700.0300001/BJD/SJE

APPLICATION NO. 10/622,064

APPLICANT

BACHMANN et al.

					BACHIL					
INF	ORMATIO	N DISC	CLOSURE S	TATEMENT		G DATE 18, 2003		GROUP 1645		-
				σ.	S. PATENT I	OCUMENTS	···		-	
EXAMINER			7.57.5							
INITIAL		NUME	MENT BER	DATE	NAME		CI	ASS	SUB- CLASS	FILING DATE
	AA									
	AB	+			+					
	AC	+								
	AD AE	+	, , , , , , , , , , , , , , , , , , , 		- 				l. <u>.</u>	
	AF	+								
	AG			1	7	-				
	АН							_		
	AI						-			
	AJ									
	AK									
				FORE	IGN PATENT	DOCUMENTS				
EXAMINER INITIAL		DOCU NUME	JMENT BER	DATE	COUNTRY		CL	ASS	SUB- CLASS	'TRANSLATION
	AL									Ye N
	АМ									Ye N
	AN									Ye N
	AO									Ye:
	AP					-				Ye:
	•		OTHER (In	cluding Autho	or, Title,	Date, Pertiner	it Pages,	etc.)	<u> </u>	
	AR	<u>12</u>	Cytokine	M., et al., Produced by ss, Inc. (199	the Rheuma	erleukin-17. A	A T Cell-I ," <i>Arthri</i> :	Derived tis Rhe	l Proinfl eum. 42:9	ammatory 63-970,
	AS	<u>12</u>				ion of Interle				
	AT	<u>12</u>	Cell Lin	ne (VSW) and a	a Virus-Fre	re Characteriza ee Cell Line (\forall University Programs)	VH2) From	Vipera		



ATTY. DOCKET NO. 1700.0300001/BJD/SJE APPLICATION NO. 10/622,064

APPLICANT

					BACHMANN et al.			
INF	ORMATION	N DISCLOS	URE STAT	<u>TEMENT</u>	FILING DATE July 18, 2003	GR0 164	OUP 45	
				v.s.	PATENT DOCUMENTS			
EXAMINER INITIAL		DOCUMEN' NUMBER	r	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA							
	AB	ļ						
	AC					<u> </u>		
	AD							
	AE							
	AF	-				-		<u> </u>
	AG							ļ
	AH_					-		
<u> </u>	AI	 		<u> </u>	 			
	AJ	1				- 		
	AK	1						
		T		FOREIG	N PATENT DOCUMENTS	1		
EXAMINER INITIAL		DOCUMEN' NUMBER	т	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL				·	,		Yes No
	AM				~			Yes No
	AN			· · · · · · · · · · · · · · · · · · ·				Yes No
	AO	<u> </u>						Yes No
	AP							Yes
		OTHE	R (Incli	iding Author.	Title, Date, Pertinent Pa	ges. etc	.)	
	AR /	Cla of Neu	rk-Lewis Two Inf	s, I., et al. lammatory Pro Activating P	, "Chemical Synthesis, Pur teins, Neutrophil Activati eptide 2," <i>Biochemistry 30</i>	ificatio	on, and Char	leukin-8) and
	AS	Eos	inophil		"Antibody to Interleukin-5 Science 245:308-310, Ameri (1989)			
	AT	13 pro			A.D, "α-Helical coiled coi them. Sci. 11:245-248, Else			
EXAMINER		·				DATE CO	NSIDERED	
PYANTNED.	Tritial	if rofor		aidored whe	ther or not citation is in		ango with Mi	PD 600 Pms



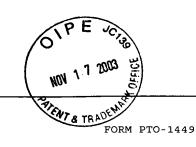
ATTY. DOCKET NO. 1700.0300001/BJD/SJE

APPLICATION NO. 10/622,064

APPLICANT

BACHMANN et al.

INF	ORMATIO	N DISC	CLOSURE STA	TEMENT	FILING DATE	GROUI		
					July 18, 2003	1645		
				v.s.	PATENT DOCUMENTS	· · ·	- ,	
EXAMINER INITIAL		DOCU NUME	JMENT BER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA							
	AB				·			
	AC						<u> </u>	
	AD					ļ	<u> </u>	ļ
	AE				·	ļ	ļ	<u> </u>
	AF	<u> </u>	 				ļ	
	AG	<u> </u>	· · · · · · · · · · · · · · · · · · ·			<u> </u>	<u> </u>	
	AH	ļ				ļ		<u> </u>
	AI	-					ļ	ļ
	AJ	 				ļ		
	AK					- e-*		<u>]. </u>
				FOREIG	N PATENT DOCUMENTS	Т		T
EXAMINER INITIAL		DOCU NUME	JMENT BER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL							Yes No
	AM	<u> </u>						Yes No
	AN							Yes No
<u> </u>	AO							Yes
	AP						1	Yes No
		(OTHER (Incl	uding Author,	Title, Date, Pertinent Page	es, etc.)		
	AR	<u>14</u>	micellar p	roperties stu	-ganglioside-Triton X-100 m died by laser-light scatter 97-214, Elsevier/North-Holl	ing and e	nzymatic m	methods,"
	AS	<u>14</u>	Coutelier, viral infe (1987)	JP., et al	., "IgG2a Restriction of mu Exp. Med. 165:64-69, The Roc	rine anti kefeller	bodies el: University	icited by Press
	AT	14	Recruits I	Eosinophils in	colution Structure of Eotaxi Allergic Inflammation," J. or Biochemistry and Molecula	Biol. Ch	em. 273:22	2471-22479,
EXAMINER			1		1	DATE CONS	IDERED	



ATTY. DOCKET NO. 1700.0300001/BJD/SJE

APPLICATION NO. 10/622,064

APPLICANT

BACHMANN et al.

INF	ORMATIO	N DISCLO	SURE STA	TEMENT		FILING DATE July 18, 2003		GROUP 1645		
				v.s.	PAT	ENT DOCUMENTS			<u>=</u>	
EXAMINER INITIAL		DOCUME NUMBER		DATE	NA	ME	CL	ASS	SUB- CLASS	FILING DATE
	AA									
	AB									
	AC									
	AD						_ _			
	AE	ļ			<u> </u>		_ _			
	AF				_					ļ
	AG	ļ			$oldsymbol{ol}}}}}}}}}}}}}}}}}}$		-	_		ļ
	AH	ļ			<u> </u>	-				
	AI	ļ			ļ	······································	┷			ļ <u>.</u>
	AJ	ļ			ļ	•••	—			<u> </u>
	AK									
				FOREIG	N P	ATENT DOCUMENTS			,	
EXAMINER INITIAL		DOCUME NUMBER		DATE	со	UNTRY	CL	ASS	SUB- CLASS	TRANSLATION
	AL									Yes
	AM									Yes No
	AN									Yes No
	AO									Yes
							†			Yes
	AP	I				tle, Date, Pertinent Pag				No
	AR	Da Er	avis, N.I ncephalit	L., et al., "l	In V	itro Synthesis of Infect m a cDNA Clone: Analysis emic Press (1989)	ious	Venez		
	AS	<u>15</u> so	creening	of antibody 1	libr	Development of an optima aries displayed on the i xford University Press	Esche	erichia		
	AT	<u>15</u> ce	ell-deriv	ved factor 1α ,	a	tal structure of chemica potent ligand for the HI 41-6946, National Academ	[V-1	"fusin	" corecep	otor," Proc.
EXAMINER							DATE	CONSI	DERED	

OTP I	AUG STA	3							
TO TO	CHROK	<u></u>			ATTY. DOCKET NO.	 	A D D T. 1	CATION NO	Page 16 of 129
ENT & TR					1700.0300001/BJD/S	SJE		22,064	· · · · · · · · · · · · · · · · · · ·
	I	FORM PTO-1449			APPLICANT BACHMANN et al.	•			
INF	ORMATIO	N DISCLOSURE S	STATEMENT		FILING DATE July 18, 2003	·	GROUI 1645)	
			τ	J.S. P	ATENT DOCUMENTS				
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	1	NAME	CI	.ASS	SUB- CLASS	FILING DATE
	AA								
	AB								
	AC								
	AD								
	AE								
	AF								
	AG	2							_
	АН	<u> </u>							
	AI								
	AJ	ļ. <u>.</u> .							
	AK	<u></u>						<u> </u>	
			FO	REIGN	PATENT DOCUMENTS			•	· ·
EXAMINER INITIAL		DOCUMENT NUMBER	DATE		COUNTRY	CI	ASS	SUB- CLASS	TRANSLATION
	AL								Yes No
	AM								Yes No
	AN		j						Yes No
	AO								Yes No
· · · · · · · · · · · · · · · · · · ·	AP								Yes No
	1	OTHER (I	cluding Aut	hor, 1	Title, Date, Pertino	ent Pages,	etc.)		
		Dodson,	K.W., et al	l., "Oı	uter-membrane PapC	molecular	usher	discrimin	ately

AR /	<u>16</u>	Dodson, K.W., et al., "Outer-membrane PapC molecular usher discriminately recognizes periplasmic chaperone-pilus subunit complexes," Proc. Natl. Acad. Sci. USA 90:3670-3674, National Academy Press (1993)
AS	<u>16</u>	Dudler, J., et al., "Effect of interleukin 17 on proteoglycan degradation in murine knee joints," <i>Ann. Rheum. Dis.</i> 59:529-532, Bmj Publishing Group (July 2000)
AT	<u>16</u>	Eckhardt, S.G., et al., "Hepatitis B Virus Core Antigen Has Two Nuclear Localization Sequences in the Arginine-Rich Carboxyl Terminus," <i>J. Virol.</i> 65:575-582, American Society for Microbiology (1991)

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

DATE CONSIDERED

EXAMINER



communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 1700.0300001/BJD/SJE

APPLICATION NO. 10/622,064

APPLICANT

BACHMANN et al.

FILING DATE

GROUP 1645

EXAMINER INITIAL	AA AB AC AD AE AF AG AH AI AJ	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AB AC AD AE AF AG AH AI	I .	DATE	2.	CLASS	1	FILING DATE
	AB AC AD AE AF AG AH AI						
	AC AD AE AF AG AH AI AJ						
	AD AE AF AG AH AI AJ						
	AE AF AG AH AI AJ						
	AF AG AH AI AJ						
	AG AH AI AJ						
	AH AI AJ						
	AI AJ						
· ·	AJ			-		1	
						- 	
	AK			· · · · · · · · · · · · · · · · · · ·			
	г		FORET	THE DOCUMENTS	<u> </u>		!:
EXAMINER			FOREIG	O PATENT DOCUMENTS		T	T
INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL						Ye N
	MA					<u> </u>	Ye
	AN						Ye N
	AO						Ye N
	AP						Ye N
		OTHER (In	cluding Author	, Title, Date, Pertinent	Pages, etc.)		
	AR	Characte Intrace	erization of Re	al., "Expression, Purif: combinant Human Interle ng," <i>Protein Expr. Puri</i>	ıkin-13: Utili	zation of	
	AS			al., "Solution Structure nt," <i>J. Mol. Biol.</i> 310:2			
	AT	17 Under T		se Variation of Type 1 F Control," <i>Science 214</i> :33 (1981)			
EXAMINER	<u>I</u>	<u> </u>			DATE CONS	IDERED	



Page 18 of 129 ATTY. DOCKET NO. APPLICATION NO. 1700.0300001/BJD/SJE 10/622,064 FORM PTO-1449 APPLICANT BACHMANN et al. INFORMATION DISCLOSURE STATEMENT FILING DATE GROUP July 18, 2003 1645 U.S. PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT DATE NAME CLASS SUB-FILING DATE NUMBER CLASS AΑ AB AC AD ΑE AF AG AΗ ΑI ΑJ ΑK FOREIGN PATENT DOCUMENTS EXAMINER DOCUMENT DATE COUNTRY CLASS SUB-TRANSLATION INITIAL . NUMBER CLASS ΑL No Yes ΑM No Yes AN No Yes ΑO No Yes AΡ No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Elisseeva, E.L., et al., "NMR Studies of Active N-terminal Peptides of Stromal Cell-derived Factor-1," J. Biol. Chem. 275:26799-26805, The American Society for Biochemistry and Molecular Biology, Inc. (September 2000) ΑR 18 Eshdat, Y., et al., "Dissociation and Reassembly of Escherichia coli Type 1 AS <u>18</u> Pili," J. Bacteriol. 148:308-314, American Society for Microbiology (1981) Ettinger, R., et $\emph{al.}$, "A Critical Role for Lymphotoxin- β Receptor in the ΑT Development of Diabetes in Nonobese Diabetic Mice, " J. Exp. Med. 193:1333-1339, 18 The Rockefeller University Press (June 2001) DATE CONSIDERED EXAMINER



ATTY. DOCKET NO. 1700.0300001/BJD/SJE	APPLICATION NO. 10/622,064
APPLICANT BACHMANN et al.	
FILING DATE	GROUP

				BACHMANN et al.				
INF		DISCLOSURE S	<u> FATEMENT</u>	FILING DATE July 18, 2003		GROUP 1645		
			σ	S. PATENT DOCUMENTS				
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CL	ASS SUB- CLASS	FILING DATE	
	AA							
·	AB							
	AC							
	AD							
	AE							
	AF							
	AG							
	AH							
	AI							
	AJ							
	AK	<u> </u>					¢	
			FOR	EIGN PATENT DOCUMENTS				
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CI	ASS SUB- CLASS	TRANSLATION	
	AL						Yes No	
	AM	,					Yes No	
	AN						Yes No	
	AO						Yes No	
	AP						Yes No	
		OTHER (In	cluding Auth	or, Title, Date, Perti	nent Pages,	etc.)		
	AR	Antibodi	, et al., "Fes Against Aty Press (19	Role of Repetitive Anti Antibodies," <i>J Exp. Med</i> 197)	gen Pattern H. 185:1785-	s for Induct 1792, The Ro	ion of ckefeller	
	AS 19 Folkman, J., and Klagsbrun, M., "Angiogenic Factors," Science 235:442-447, American Association for the Advancement of Science (1987)							
	AT			genesis in cancer, vasc Nature Publishing Compa		atoid and ot	her disease,"	
EXAMINER					DATI	E CONSIDERED		



communication to Applicant.

TARY B	CAR.								age 20 01 129
MAIL					ATTY. DOCKET NO. 1700.0300001/BJD/SJE		APPLI 10/62	CATION NO).
	F	ORM I	PTO-1449		APPLICANT BACHMANN et al.	· · · · · ·			
INF	ORMATIO	N DIS	CLOSURE STA	TEMENT	FILING DATE		GROUP		
 . — 			***************************************		July 18, 2003		1645		<u> </u>
				U.S.	PATENT DOCUMENTS			T	
EXAMINER INITIAL		DOC	UMENT BER	DATE	NAME	CLA	ASS	SUB- CLASS	FILING DATE
	AA							•	
	AB								
	AC								
	AD								
	AE								
	AF								
	AG	1							
	AH		-						
.	AI	_				_		_	
	AJ								
	AK	<u> </u>							:
		,		FOREIG	N PATENT DOCUMENTS				
EXAMINER INITIAL		DOC	UMENT BER	DATE	COUNTRY	CI	ASS	SUB- CLASS	TRANSLATION
	AL			·					Yes No
	АМ								Yes No
	AN			·					Yes No
	AO								Yes
	AP								Yes
	LAP		OWNED (Tag)	l	Title, Date, Pertinent Pa		-4- \	L	No
	1	<u>'</u>	OTHER (INC.	uding Author,	Title, Date, Pertinent Pa	ges,	etc.)		
	AR /	<u>20</u>	Chemokine	Receptor CCR3	"Eotaxin-2, a Novel CC Che, and Acts Like Eotaxin or d. 185:2171-2176, The Rock	ı Huma	n Eosi	inophil a	nd Basophil
	AS	<u>20</u>	Proinflam		Cell Interleukin-17 Inducatopoietic Cytokines," <i>J.</i> Press (1996)				
	АТ	<u>20</u>	Fossiez F Academic 1	., et al., "In Publishers (19	terleukin-17," <i>Intern. Re</i> v 98)	r. Imm	unol.	16:541-5	51, Harwood
EXAMINER		· · · · · ·		<u>.</u>		DATE	CONSI	DERED	`
EXAMINER: line through	Initial h citat:	if r	eference co	onsidered, whet	ther or not citation is in not considered. Include	confe	ormanc	e with ME s form wi	PEP 609. Draw



ATTY. DOCKET NO. 1700.0300001/BJD/SJE

APPLICATION NO. 10/622,064

APPLICANT

EXAMINER ENITIAL AI AI AI AI AI AI AI AI AI		DISCLOSURE ST		FILING DATE July 18, 2003	GROUI 1645		
AI A			v.s.				
AI A				PATENT DOCUMENTS			
AI A		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
AGAI AGAI AGAI AGAI AGAI AGAI AGAI AGAI	AA						
AI	AB						
Al A	AC						
Al A	AD						
AC A	AE						
AI A. A. AI	AF						<u> </u>
A. A. A. EXAMINER	AG						
A A A A A A A A A A A A A A A A A A A	AH			· · · · · · · · · · · · · · · · · · ·			
EXAMINER	AI					_	
EXAMINER	AJ						<u> </u>
	AK					<u> </u>	
			FOREI	GN PATENT DOCUMENTS		·- -	
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
A	AL						Ye N
Al	AM						Ye N
A.	AN						Ye N
A	AO_						Ye N
A	AP						Ye N
		OTHER (Inc	luding Author	, Title, Date, Pertinent 1	Pages, etc.)		
AF	AR <u>2</u>	hapten,	enzyme immunoa	"Novel preparation method ussay for daunomycin and a North-Holland Biomedical P	driamycin,"		
AS	AS <u>2</u>	<u>1</u> 1 Fimbria	al Phase Varia	Environmental Regulation of the street of th	K-12: Effect	s of Temp	erature and
CA	AT <u>2</u>	controls	the phase var	"Interaction of FimB and : riation of type 1 fimbriate Blackwell Science, Ltd.	e in <i>Escheri</i>		
EXAMINER		1					



ATTY. DOCKET NO. 1700.0300001/BJD/SJE APPLICATION NO. 10/622,064

APPLICANT

BACHMANN et al

				BACHMANN et al.					
IN	FORMATIO	N DISCLOSUR	E STATEMENT	FILING DATE July 18, 2003	GROU 1645				
			υ.	S. PATENT DOCUMENTS					
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE		
	AA								
	AB								
	AC								
	AD								
	AE	+				-			
	AF								
	AG					_			
	AH	+		<i>;</i>					
 -	AI AJ					1	-		
	AK			,					
	File		FOR	GIGN PATENT DOCUMENTS	<u> </u>				
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION		
	AL						Yes No		
	АМ						Yes No		
	AN						Yes No		
	AO						Yes No		
	AP						Yes No		
		OTHER	(Including Authority	or, Title, Date, Pertine	ent Pages, etc.)				
	AR /	Ghera 22 antil	ardi, E. et al., pody-secreting h	"A single-step procedu ybridomas," <i>J. Immunol</i> .	re for cloning a Methods 126: 6	and select	cion of evier (1990)		
	Golmohammadi, R., et al., "The crystal structure of bacteriophage Qβ at 3.5Å resolution," Structure 4:543-554, Current Biology, Ltd. (1996)								
	AT /	22 activ		"A B-cell-homing chemok lymphoma receptor-1," <i>N</i>					
EXAMINER					DATE CONS	SIDERED			



FORM PTO-1449

ATTY. DOCKET NO. 1700.0300001/BJD/SJE APPLICATION NO. 10/622,064

APPLICANT

BACHMANN et al.

INFORMATION DISCLOSURE STATEMENT

FILING DATE GROUP July 18, 2003 1645

					July 18, 2003	1645			
				ប.ន	. PATENT DOCUMENTS				
EXAMINER INITIAL		DOCU NUMB		DATE	NAME	CLASS	SUB- CLASS	FILING DATE	
	AA								
	AB								
	AC								
	AD						ļ		
	AE								
	AF	ļ							
	AG	 							
<u> </u>	AH	ļ					_		
	AI	├					_		
	AJ	-							
	AK			1				*1	
		Т		FORE	IGN PATENT DOCUMENTS	<u> </u>			
XAMINER NITIAL		DOCU NUMB	MENT	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
	AL						-	Ye N	
	AM							Ye. N	
	AN							Ye N	
	AO							Yes	
	AP							Yes	
•		0	THER (Inc.	luding Author	, Title, Date, Pertine	ent Pages, etc.)		<u> </u>	
	AR		library s	elected and e	icomolar affinity antibevolved by ribosome dispany (December 2000)	podies from a fu splay," <i>Nat. Bio</i>	ally synth	etic naive 18:1287-1292,	
	AS	<u>23</u>	Hanson, M.S., et al., "Purification of the Escherichia coli Type 1 Pilin and Minor Pilus Proteins and Partial Characterization of the Adhesin Protein," J. Bacteriol. 170:3350-3358, American Society for Microbiology (1988)						
	АТ	23	Hanson, M coli type Group (19	-1 pilus tip	nton, Jr., C.C., "Ident adhesion protein," <i>Nat</i>	cification and c ture 332:265-268	characteri 3, Nature	zation of E. Publishing	
	_	l l							



ATTY. DOCKET NO. 1700.0300001/BJD/SJE

APPLICATION NO. 10/622,064

APPLICANT

BACHMANN et al. INFORMATION DISCLOSURE STATEMENT FILING DATE GROUP July 18, 2003 1645 U.S. PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT DATE NAME CLASS SUB-FILING DATE NUMBER CLASS AΑ AB AC AD ΑE ΑF AG AΗ ΑI АJ ΑK FOREIGN PATENT DOCUMENTS EXAMINER DOCUMENT DATE COUNTRY CLASS SUB-TRANSLATION INITIAL NUMBER CLASS Yes ΑL No Yes AM No Yes AN No Yes ΑO No Yes No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Harrison, J.L., et al., "Screening of Phage Antibody Libraries," Methods Enzymol. 267:83-109, Macmillan Publishers, Ltd. (1996) AR <u>24</u> Haslam, D.B., et al., "The amino-terminal domain of the P-pilus adhesin determines receptor specificity, " Mol. Microbiol. 14:399-409, Blackwell AS <u>24</u> Scientific Publications (1994) Hedrick, J.A., and Zlotnik, A., "Identification and Characterization of a Novel β AΤ Chemokine Containing Six Conserved Cysteines, " J. Immunol. 159: 1589-1593, The <u>24</u> American Association of Immunologists (1997) EXAMINER DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



				-		ATTY. DOCKET NO. 1700.0300001/BJD/SJE		APPLI 10/62	CATION NO).
	F	ORM F	PTO-1449			APPLICANT BACHMANN et al.				
INFO	RMATION	DIS	CLOSURE STA	TEMENT		FILING DATE July 18, 2003		GROUP 1645		
				υ. s.	PZ	ATENT DOCUMENTS				
EXAMINER INITIAL		DOCT NUMI	JMENT BER	DATE	N	JAME			SUB- CLASS	FILING DATE
	AA	AA								
	AB				L					
	AC									
	AD				L	•				
	AE									
	AF									
	AG									
	AH							_		
	AI			ė.		,				
	АJ			K.						
	AK									
			-	/ FOREIG	N	PATENT DOCUMENTS				
EXAMINER INITIAL		DOCUMENT NUMBER		DATE	0	COUNTRY	CT	ASS	SUB- CLASS	TRANSLATION
					T					Yes
	AL				+		╆			No
	AM				Ļ	-	ļ			Yes No
	AN				ļ.	 	ļ.,			Yes No
	AO				L		<u> </u>			Yes No
	AP									Yes No
			OTHER (Incl	uding Author,	T	itle, Date, Pertinent Pag	es,	etc.)		
	AR /	<u>25</u>				sociation of the signallin ides," <i>Curr. Biol.</i> 8:369-3				
	AS	<u>25</u>	coli prote	eins is govern	ktent of N-terminal methio d by the side-chain length Sci. USA 86:8247-8251, Na	of	the pe	enultimat	e amino	
	AT	<u>25</u>				olution Studies of Recombi urif. 21:367-377, Academic				
EXAMINER	•						DATE	CONSI	DERED	
	ı citati	on i	f not in co			er or not citation is in out considered. Include co				



ATTY. DOCKET NO. 1700.0300001/BJD/SJE APPLICATION NO. 10/622,064

APPLICANT

BACHMANN et al.

				Discining Co						
<u>IN</u>	FORMATION	I DISCLOSURE S	TATEMENT	FILING DATE July 18, 200	3		ROUP 645			
			σ.	S. PATENT DOCUMENT						
EXAMINER										
INITIAL		DOCUMENT NUMBER	DATE	NAME		CLAS	S SUB- CLASS	FILING DATE		
	AA									
•	AB ,	,				.				
	AC ′				· · · · · · · · · · · · · · · · · · ·					
	AD									
	AE									
	AF									
	AG	 	· · · · · · · · · · · · · · · · · · ·							
	AH									
	AI									
	AJ									
	AK	<u> </u>								
			FORI	GIGN PATENT DOCUME	NTS					
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY		CLAS	S SUB- CLASS	TRANSLATION		
	AL							Yes No		
	AM							Yes No		
	AN							Yes No		
	AO							Yes No		
	AP				<u>.</u>			Yes		
	AP	000000 /5	-3. 31 3.43.	or, Title, Date, P				Мо		
	AR /	Holmgren peripla	n, A., et al.	, "Conserved immur aperones in bacter	noglobulin-l	ike fe	atures in a	family of ford		
	AS	Holmgrei 26 reveals (1989)								
	AT /	26 contains	s separate re	l., "The PapG adhe gions for receptor cad. Sci. USA 86:4	binding an	d for	the incorpora	ation into the		
EXAMINER						DATE (CONSIDERED			
						L				

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next

communication to Applicant.



MON 1 7 30	<i>č:/</i>									Page 27 of 129	
SHAT & TRAC	IE M					OCKET NO.			CATION NO		
		ORM PI	0-1449		1700.0300001/BJD/SJE 10/622,064 APPLICANT BACHMANN et al.						
INF	ORMATION	DISC	LOSURE STA	TEMENT	FILING I	DATE		GROUP 1645			
				U.S.	PATENT DOCUMENTS						
EXAMINER INITIAL		DOCUI NUMBI		DATE	NAME	NAME		ASS	SUB- CLASS	FILING DATE	
	AA										
-	AB	ļ									
	AC	ļ							<u> </u>		
	AD	<u> </u>									
	AE			2							
	AF /	1	1900					***	-		
	AG	-	1,		<u> </u>				ļ		
	AH	,							-	 	
	AI	 								-	
	AJ									+	
	AK						<u> </u>		<u> </u>		
EVANTNED		T	<u></u>	FOREIG	N PATENT D	CUMENTS			<u> </u>		
EXAMINER INITIAL		DOCUI NUMB		DATE	COUNTRY		CI	ASS	SUB- CLASS	TRANSLATION	
	AL				T					Yes No	
	AM									Yes No	
	AN			^						Yes · No	
1	AO									ή Yes	
	AP									'' Yes	
	1 ***		THER (Inc)	uding Author,	Title. Da	te. Pertinent	Pages,	etc.)	.4	- NC	
				<u>_</u>							
	AR			S.J., et al., perones," Adv.							
	AS			S.J., et al., in Cell Recogn						embly and	
	АТ	27	coli and .	S.J., et al., Salmonella, Ne 2756 (1996)							

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next

DATE CONSIDERED

communication to Applicant.

EXAMINER



communication to Applicant.

FORM PTO-1449

ATTY. DOCKET NO. 1700.0300001/BJD/SJE APPLICATION NO. 10/622,064

APPLICANT

BACHMANN et al.

INF	ORMATION	1 DISC	CLOSURE S	<u> </u>	FILING DATE July 18, 2003		GROUP 1645		
				v.s.	PATENT DOCUMENTS				
EXAMINER INITIAL		DOCU	JMENT BER	DATE	NAME	CL	ASS	SUB- CLASS	FILING DATE
	AA	1.0						02.00	
	AB								
	AC								
	AD								
	AE						-		
	AF								
	AG								
	AH								
	AI								
	AJ								
	AK								
				FOREIG	N PATENT DOCUMENTS				
EXAMINER, INITIAL		DOCUMENT NUMBER		DATE	COUNTRY	CI	ASS	SUB- CLASS	TRANSLATION
,	AL						_		Ye N
	АМ				-				Ye N
	AN								Ye N
	AO								Ye N
	AP								Ye N
	171	'	OTHER (In	cluding Author	Title, Date, Pertine	ent Pages	etc)		
	AR	<u>28</u>	Eosinoph	il Accumulation	"Kinetics of Eotaxin in Allergic Airways . <i>Med. 186</i> :601-612, T	Disease: 2	Analysi	is in a G	uinea Pig
	AS	· <u>28</u>			olecular basis of two 5:3792-3805, Oxford U				bulin-like
	AT/	<u>28</u>		ration of Struc	n, S.J., "Pilus Bioge: cture and Function,"				

line through citation if not in conformance and not considered. Include copy of this form with next

Page 29 of 129

OIPE JOING	
NOV 1 7 2003 2	
FIFTY & TRADEMIE	

FORM PTO-1449

ATTY. DOCKET NO. 1700.0300001/BJD/SJE APPLICATION NO. 10/622,064

APPLICANT

BACHMANN et al.

INFO	RMATIO	N DISC	CLOSURE STA	TEMENT	FILING DATE July 18, 2003		GROUP 1645				
				v.s.	PATENT DOCUMENTS						
EXAMINER INITIAL		DOCU	JMENT BER	DATE	NAME	CLA	ss	SUB- CLASS	FILING DATE		
	AA										
	AB										
	AC										
	AD										
	AE			·							
	AF										
	AG										
: 	AH										
	AI						•				
	AJ	_									
	AK								ļ. _.		
	,			FOREIG	N PATENT DOCUMENTS						
EXAMINER INITIAL		DOCU NUMI	JMENT BER	DATE	COUNTRY	CLA	.ss	SUB- CLASS	TRANSLATION		
	AL								Yes No		
									Yes		
	AM	 				+			No Yes		
	AN	<u> </u>				_			No		
	AO	<u> </u>							Yes No		
,	AP							-	Yes No		
			OTHER (Incl	uding Author,	Title, Date, Pertinent Pag	es, e	etc.)	<u> </u>			
	AR /	<u>29</u>	Nuclear Fa	actor-кВ Ligan	ermination of Three Isoform d and Their Differential Ex 1426, The Endocrine Society	kpres:	sion i	in Bone ar			
	AS	<u>29</u>	5 from year	Ingley E., et al., "Production and purification of recombinant human interleukin- 5 from yeast and baculovirus expression systems," <i>Eur. J. Biochem. 196</i> :623-629, Blackwell Science, Ltd. (1991)							
	АТ	<u>29</u>	on oxidant	and chaperon	al., "PapD chaperone functie-like activities of DsbA," Academy Press (1994)	ion :	in pil	lus bioger	nesis depends Sci. USA		
EXAMINER						DATE	CONSI	DERED			

Page 30 of 129

PE JC/36
7 7000 25
MON
ENT & THADE

FORM PTO-1449

ATTY. DOCKET NO.	AP
1700.0300001/BJD/SJE	10

APPLICATION NO. 10/622,064

APPLICANT

BACHMANN et al

					BACHMANN et al.					
INE	FORMATIO	N DISC	CLOSURE STA	TEMENT	FILING DATE July 18, 2003	1				
				υ. s.	PATENT DOCUMENTS					
EXAMINER INITIAL		DOCU	JMENT BER	DATE	NAME	CL	ASS	SUB- CLASS	FILING DATE	
	AA									
	AB									
	AC	<u> </u>							<u> </u>	
	AD _	<u> </u>					_			
	AE	 					_		<u> </u>	
	AF	 						ļ		
	AG	+						 		
	AH			<u> </u>					 	
	AI AJ									
	AK	1	e 189						·	
	I AK	<u> </u>		POPPI	I PATENT DOCUMENTS			1	.l:	
EXAMINER INITIAL		DOCU	JMENT BER	DATE	COUNTRY	CL	ASS	SUB- CLASS	TRANSLATION	
	AL		-						Yes No	
	AM								Yes No	
	AN								Yes No	
	AO								Yes No	
	AP								Yes	
			OTHER (Inc.	luding Author,	Title, Date, Pertinen	t Pages,	etc.)			
	AR	<u>30</u>	structura	l elements of	t al., "Initiation of a a bacterial pilus depe ford University Press (end on two				
	Jacob-Dubuisson, F., et al., "Chaperone-assisted Self-assembly of Pili Independent of Cellular Energy," J. Biol. Chem. 269:12447-12455, The American Society for Biochemistry and Molecular Biology, Inc. (1994)									
	AT /	30			rwalk Virus Genome Clon n Association for the A					
EXAMINER			<u> </u>			DATE	CONSI	DERED		
EXAMINER ·	Initial	if r	eference co	onsidered. whe	ther or not citation i	s in conf	ormanc	e with ME	PEP 609 Draw	



Page 31 of 129 ATTY. DOCKET NO. APPLICATION NO. 1700.0300001/BJD/SJE 10/622,064 FORM PTO-1449 APPLICANT BACHMANN et al. INFORMATION DISCLOSURE STATEMENT FILING DATE GROUP July 18, 2003 1645 U.S. PATENT DOCUMENTS EXAMINER DOCUMENT DATE INITIAL NAME CLASS SUB-FILING DATE NUMBER CLASS AΑ AB AC AD ΑĒ AF ΑG ΑН ΑI ΑJ ΑK FOREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT DATE COUNTRY CLASS SUB-TRANSLATION NUMBER CLASS Yes No Yes AM No Yes AN No Yes ΑO No Yes No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Jones, C.H., et al., "FimC is a periplasmic PapD-like chaperone that directs assembly of type 1 pili in bacteria," Proc. Natl. Acad. Sci. USA 90:8397-8401, AR <u>31</u> National Academy Press (1993) Jones, C.H., et al., "FimH adhesin of type 1 pili is assembled into a fibrillar tip structure in the Enterobacteriaceae," Proc. Natl. Acad. Sci. USA 92:2081-AS <u>31</u> 2085, National Academy Press (1995) Josien, R., et al., "TRANCE, a Tumor Necrosis Factor Family Member, Enhances the Longevity and Adjuvant Properties of Dendritic Cells In Vivo, " J. Exp. Med. 191: AΤ <u>31</u> 495-501, The Rockefeller University Press (February 2000) EXAMINER DATE CONSIDERED **EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Page 32 of 129

NOV 1.7 2003	COFFICE OF
FRATA TRADEM	FOR

M PTO-1449

ATTY. DOCKET NO. 1700.0300001/BJD/SJE

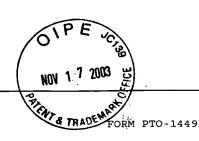
APPLICATION NO. 10/622,064

APPLICANT

BACHMANN et al.

THEODMATTON DISCLOSIDE STATEMENT PTI THE DATE CROUD

INFO	RMATION	1 DISC	CLOSURE STA	TEMENT	July 18, 2003		345 	
				v.s.	PATENT DOCUMENTS			
EXAMINER INITIAL		DOCU	UMENT BER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA							
	AB	<u> </u>	-			 		
	AC	 		ļ		↓		
<u> </u>	AD	↓		ļ'				
	AE	↓		1		 		
	AF	 		<u> </u>				
	AG	 		<u> </u>		 		
	AH	+-				+		
	AI	—				 		
	AJ	 		<u> </u>				<u></u>
	AK				<u>1</u>			
	T	т		FOREIG	N PATENT DOCUMENTS			T
EXAMINER INITIAL		DOCU NUME	UMENT BER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL							Yes No
	AM							Yes No
	AN							Yes No
	AO	\prod_{-}				\prod		Yes No
	AP				·			Yes No
	<u></u>	- 1	OTHER (Incl	luding Author,	Title, Date, Pertinent Pag	es, etc		<u> </u>
	AR /	Jovanovic, D.V., et al., "IL-17 Stimulates the Production and Expression of Proinflammatory Cytokines, IL-β and TNF-α, by Human Macrophages," J. Immunol.						
	AS	<u>32</u>	Kapp, U., et al., "Interleukin 13 Is Secreted by and Stimulates the Growth of Hodgkin and Reed-Sternberg Cells," <i>J. Exp. Med. 189</i> :1939-1945, The Rockefeller University Press (1999)					
	Kastelein, R.A. et al., "Effect of the sequence upstream from the ribosome-binding site on the yield of protein from the cloned gene for phage MS2 coat protein," Gene 23:245-254, Elsevier (1983)							
EXAMINER						DATE CO	ONSIDERED	



ATTY. DOCKET NO. 1700.0300001/BJD/SJE

APPLICATION NO. 10/622,064

APPLICANT

BACHMANN et al.

INFORMATION DISCLOSURE STATEMENT

FILING DATE GROUP
July 18, 2003 1645

NUMBER	IN	FORMATIO	N DIS	CLOSURE ST	TATEMENT	FILING DATE July 18, 2003	GROU 1645		
INITIAL DOCUMENT NUMBER AR A	· · · · · · · · · · · · · · · · · · ·				υ. s	. PATENT DOCUMENTS			
AB AC AD AD AE AF AF AG AH AI AI AJ AK FOREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER AL AM AN AN AN AN AN AN AN AN AN					DATE	NAME	CLASS		FILING DATE
AC AD AE AF AF AG AH AI AJ AJ AV AN EXAMINER INITIAL DOCUMENT DATE COUNTRY CLASS SUB- CLASS TRANSLAT: AL AM AN AN AN AN AN AN AN AN AN		AA							
AD AE AF AG AG AH AI AJ AJ AK FOREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER DOCUMENT NUMBER AN AN AN AN AN AN AN AN AN A		AB			·	·			
AF AF AG AH AI AI AJ AJ AN BEXAMINER INITIAL DOCUMENT NUMBER DATE COUNTRY CLASS SUB- CLASS SUB- CLASS SUB- CLASS AL AM AN AN AN AN AN AN AN AN AN		AC							
AF AG AH AI AJ AJ AK FOREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT DATE COUNTRY CLASS SUB- CLASS TRANSLAT: AL AM AN AN AN AN AN AN AN AN AN	<u> </u>	AD				<u> </u>			
AG AH AI AJ AJ AK FOREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER DOCUMENT NUMBER AN AN AN AN AN AN AN AN AN A		AE	<u> </u>			·			
AH AI AJ AK POREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT DATE COUNTRY CLASS SUB-CLASS TRANSLAT: AL AM AN AN AN AN AN AN AN AN AN		AF	┦		·				
AI AJ AK FOREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT DATE COUNTRY CLASS SUB- CLASS TRANSLAT: CLASS TRANSLAT: CLASS TRANSLAT: CLASS TRANSLAT: CLASS TRANSLAT: AM AN	 -	AG	-						
POREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT DATE COUNTRY CLASS SUB-CLASS TRANSLAT: AL AM AM AN	;	AH	 						
FOREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT DATE COUNTRY CLASS SUB-CLASS TRANSLAT: AL AM AN AO AP OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Kim, K.J., et al., "Inhibition of vascular endothelial growth factor-induced angiogenesis suppresses tumour growth in vivo," Nature 362:841-844, Nature Publishing Group (1993) Kim, KH., et al., "A Cysteine-rich Adipose Tissue-specific Secretory Factor Inhibits Adipocyte Differentiation," J. Biol. Chem. 276:11252-11256, The Americ Society for Biochemistry and Molecular Biology, Inc. (April 2001) Klemm, P., "The fimA gene encoding the type-1 fimbrial subunit of Escherichia coli. Nucleotide sequence and primary structure of the protein," Euro. J. Biochem. 143:395-399, Blackwell Science, Ltd. (1984)			 						
FOREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT DATE COUNTRY CLASS SUB-CLASS TRANSLATION AL AM AN AN AO AP OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Kim, K.J., et al., "Inhibition of vascular endothelial growth factor-induced angiogenesis suppresses tumour growth in vivo," Nature 362:841-844, Nature Publishing Group (1993) Kim, KH., et al., "A Cysteine-rich Adipose Tissue-specific Secretory Factor Inhibits Adipocyte Differentiation," J. Biol. Chem. 276:11252-11256, The Americ Society for Biochemistry and Molecular Biology, Inc. (April 2001) Klemm, P., "The fimA gene encoding the type-1 fimbrial subunit of Escherichia coli. Nucleotide sequence and primary structure of the protein," Euro. J. Biochem. 143:395-399, Blackwell Science, Ltd. (1984)	,		-						
EXAMINER INITIAL DOCUMENT DATE COUNTRY CLASS SUB-CLASS TRANSLAT: AL AM AN AN AO AO AP OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Kim, K.J., et al., "Inhibition of vascular endothelial growth factor-induced angiogenesis suppresses tumour growth in vivo," Nature 362:841-844, Nature Publishing Group (1993) Kim, KH., et al., "A Cysteine-rich Adipose Tissue-specific Secretory Factor Inhibits Adipocyte Differentiation," J. Biol. Chem. 276:11252-11256, The Americ Society for Biochemistry and Molecular Biology, Inc. (April 2001) Klemm, P., "The fimA gene encoding the type-1 fimbrial subunit of Escherichia coli. Nucleotide sequence and primary structure of the protein," Euro. J. Biochem. 143:395-399, Blackwell Science, Ltd. (1984)		AK	<u> </u>						,
AN AN OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Kim, K.J., et al., "Inhibition of vascular endothelial growth factor-induced angiogenesis suppresses tumour growth in vivo," Nature 362:841-844, Nature Publishing Group (1993) Kim, KH., et al., "A Cysteine-rich Adipose Tissue-specific Secretory Factor Inhibits Adipocyte Differentiation," J. Biol. Chem. 276:11252-11256, The Americ Society for Biochemistry and Molecular Biology, Inc. (April 2001) Klemm, P., "The fimA gene encoding the type-1 fimbrial subunit of Escherichia coli. Nucleotide sequence and primary structure of the protein," Euro. J. Biochem. 143:395-399, Blackwell Science, Ltd. (1984)		<u> </u>	т —		FORE	IGN PATENT DOCUMENTS	 		1
AN AN OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Kim, K.J., et al., "Inhibition of vascular endothelial growth factor-induced angiogenesis suppresses tumour growth in vivo," Nature 362:841-844, Nature Publishing Group (1993) Kim, KH., et al., "A Cysteine-rich Adipose Tissue-specific Secretory Factor Inhibits Adipocyte Differentiation," J. Biol. Chem. 276:11252-11256, The Americ Society for Biochemistry and Molecular Biology, Inc. (April 2001) Klemm, P., "The fimA gene encoding the type-1 fimbrial subunit of Escherichia coli. Nucleotide sequence and primary structure of the protein," Euro. J. Biochem. 143:395-399, Blackwell Science, Ltd. (1984)					DATE	COUNTRY	CLASS		TRANSLATION
AN AO AD OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Kim, K.J., et al., "Inhibition of vascular endothelial growth factor-induced angiogenesis suppresses tumour growth in vivo," Nature 362:841-844, Nature Publishing Group (1993) Kim, KH., et al., "A Cysteine-rich Adipose Tissue-specific Secretory Factor Inhibits Adipocyte Differentiation," J. Biol. Chem. 276:11252-11256, The Americ Society for Biochemistry and Molecular Biology, Inc. (April 2001) AT 33 Klemm, P., "The fimA gene encoding the type-1 fimbrial subunit of Escherichia coli. Nucleotide sequence and primary structure of the protein," Euro. J. Biochem. 143:395-399, Blackwell Science, Ltd. (1984)		AL							Yes No
AD OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Kim, K.J., et al., "Inhibition of vascular endothelial growth factor-induced angiogenesis suppresses tumour growth in vivo," Nature 362:841-844, Nature Publishing Group (1993) Kim, KH., et al., "A Cysteine-rich Adipose Tissue-specific Secretory Factor Inhibits Adipocyte Differentiation," J. Biol. Chem. 276:11252-11256, The Americ Society for Biochemistry and Molecular Biology, Inc. (April 2001) Klemm, P., "The fimA gene encoding the type-1 fimbrial subunit of Escherichia coli. Nucleotide sequence and primary structure of the protein," Euro. J. Biochem. 143:395-399, Blackwell Science, Ltd. (1984)		AM							Yes No
OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Kim, K.J., et al., "Inhibition of vascular endothelial growth factor-induced angiogenesis suppresses tumour growth in vivo," Nature 362:841-844, Nature Publishing Group (1993) Kim, KH., et al., "A Cysteine-rich Adipose Tissue-specific Secretory Factor Inhibits Adipocyte Differentiation," J. Biol. Chem. 276:11252-11256, The Americ Society for Biochemistry and Molecular Biology, Inc. (April 2001) Klemm, P., "The fimA gene encoding the type-1 fimbrial subunit of Escherichia coli. Nucleotide sequence and primary structure of the protein," Euro. J. Biochem. 143:395-399, Blackwell Science, Ltd. (1984)		AN	<u> </u>						Yes No
OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Kim, K.J., et al., "Inhibition of vascular endothelial growth factor-induced angiogenesis suppresses tumour growth in vivo," Nature 362:841-844, Nature Publishing Group (1993) Kim, KH., et al., "A Cysteine-rich Adipose Tissue-specific Secretory Factor Inhibits Adipocyte Differentiation," J. Biol. Chem. 276:11252-11256, The America Society for Biochemistry and Molecular Biology, Inc. (April 2001) Klemm, P., "The fimA gene encoding the type-1 fimbrial subunit of Escherichia coli. Nucleotide sequence and primary structure of the protein," Euro. J. Biochem. 143:395-399, Blackwell Science, Ltd. (1984)		AO							3 Yes
Kim, K.J., et al., "Inhibition of vascular endothelial growth factor-induced angiogenesis suppresses tumour growth in vivo," Nature 362:841-844, Nature Publishing Group (1993) Kim, KH., et al., "A Cysteine-rich Adipose Tissue-specific Secretory Factor Inhibits Adipocyte Differentiation," J. Biol. Chem. 276:11252-11256, The Americal Society for Biochemistry and Molecular Biology, Inc. (April 2001) Klemm, P., "The fimA gene encoding the type-1 fimbrial subunit of Escherichia coli. Nucleotide sequence and primary structure of the protein," Euro. J. Biochem. 143:395-399, Blackwell Science, Ltd. (1984)		AP							Yes
AR 33 angiogenesis suppresses tumour growth in vivo, "Nature 362:841-844, Nature Publishing Group (1993) Kim, KH., et al., "A Cysteine-rich Adipose Tissue-specific Secretory Factor Inhibits Adipocyte Differentiation," J. Biol. Chem. 276:11252-11256, The America Society for Biochemistry and Molecular Biology, Inc. (April 2001) Klemm, P., "The fimA gene encoding the type-1 fimbrial subunit of Escherichia coli. Nucleotide sequence and primary structure of the protein," Euro. J. Biochem. 143:395-399, Blackwell Science, Ltd. (1984)				OTHER (Inc	cluding Autho	r, Title, Date, Perti	inent Pages, etc.)		, -
AS Inhibits Adipocyte Differentiation, "J. Biol. Chem. 276:11252-11256, The America Society for Biochemistry and Molecular Biology, Inc. (April 2001) Klemm, P., "The fimA gene encoding the type-1 fimbrial subunit of Escherichia coli. Nucleotide sequence and primary structure of the protein, "Euro. J. Biochem. 143:395-399, Blackwell Science, Ltd. (1984)			<u>33</u>	angiogen	esis suppress	ses tumour growth in			
AT 33 coli. Nucleotide sequence and primary structure of the protein, " Euro. J. Biochem. 143:395-399, Blackwell Science, Ltd. (1984)		AS	33	Inhibits	Adipocyte Di	fferentiation, " J. B.	iol. Chem. 276:11:	252-11256,	ory Factor , The American
EXAMINER DATE CONSIDERED		AT	33	coli. Nu	cleotide sequ	ence and primary stru	ucture of the pro		
	EXAMINER		I	1			DATE CONS	SIDERED	



EXAMINER

Page 34 of 129 ATTY. DOCKET NO. APPLICATION NO. 1700.0300001/BJD/SJE 10/622,064 FORM PTO-1449 APPLICANT BACHMANN et al. INFORMATION DISCLOSURE STATEMENT FILING DATE GROUP July 18, 2003 1645 U.S. PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT DATE NAME CLASS SUB-FILING DATE NUMBER CLASS AΑ AΒ AC AD ΑE ΑF AG AΗ ΑI АJ ΑK FOREIGN PATENT DOCUMENTS EXAMINER DOCUMENT INITIAL DATE COUNTRY CLASS SUB-TRANSLATION NUMBER CLASS ΑL No Yes AM No Yes AN No Yes AO No Yes AΡ No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Klemm, P., and Christiansen, G., "Three fim genes required for the regulation of length and mediation of adhesion of Escherichia coli type 1 fimbriae, " Mol. Gen. Genet. 208:439-445, Springer-Verlag (1987) AR <u>34</u> Klemm, P., et al., "The major subunit of Escherichia coli type 1 fimbriate is not AS required for D-mannose-specific adhesion, " Mol. Microbiol. 4:553-559, Blackwell <u>34</u> Scientific Publications (1990) Klemm, P., and Christiansen, G., "The fimD gene required for cell surface ΑT localization of Escherichia coli type 1 fimbriae, " Mol. Gen. Genet. 220:334-338, 34 Springer-Verlag (1990)

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

DATE CONSIDERED



ATTY. DOCKET NO. 1700.0300001/BJD/SJE	APPLICATION NO. 10/622,064	
APPLICANT BACHMANN et al.		

	r	OKM F	10, 1447		APPLICANT BACHMANN et al.					
INF	ORMATIO	DISC	CLOSURE STA	ATEMENT	FILING DATE July 18, 2003		GROUE 1645)		
				υ.s.	PATENT DOCUMENTS					
EXAMINER INITIAL		DOCUMENT NUMBER		DATE	NAME		CLASS SUE		FILING DATE	
	AA						.=.			
	AB									
	AC	<u> </u>								
	AD									
	AE	<u> </u>				-				
	AF	<u> </u>			<u> </u>					
	AG	<u> </u>	 	/			•••	ļ	<u> </u>	
	AH	<u> </u>		,				<u> </u>		
· · · · · ·	AI		,	<i>'</i>	2					
	AJ	<u> </u>								
	AK									
		т		FOREIG	N PATENT DOCUMENTS			 	1	
EXAMINER INITIAL		DOCU NUMI	JMENT BER	DATE	COUNTRY	CI	ASS	SUB- CLASS	TRANSLATION	
•									Yes	
	AL	+-							No	
	AM	ľ							Yes No	
									Yes	
	AN								No	
	AO								Yes	
	AO	 						 	No Yes	
	AP								No	
			OTHER (Inc.	luding Author,	Title, Date, Pertine	nt Pages,	etc.)			
	AR /	<u>,35</u>	involved	, "FimC, a cha in biogenesis lsevier (1992)	perone-like periplasm of type 1 fimbriae,"	ic protei: Res. Micr	n of E	scherichi 143:831-	a <i>coli</i> 838, Institut	
	AS	<u>35</u>		lemm, P., and Krogfelt, K.A., "Type 1 Fimbriae of <i>Escherichia coli</i> ," in <i>'imbriae</i> , Klemm, P., ed., CRC Press, Inc., Boca Raton, FL., pp.9-26 (1994)						
	AT /	<u>35</u>	expressed		aracterization of rec mster ovary cells," <i>G</i>					
EXAMINER	1		l			DATI	E CONS	IDERED		

Page 36 of 129



FORM PTO-1449

ATTY. DOCKET NO. 1700.0300001/BJD/SJE APPLICATION NO. 10/622,064

APPLICANT BACHMANN et al.

CROUD PILING DATE

INF	ORMATIO	N DISC	CLOSURE ST	ATEMENT	FILING DATE July 18, 2003		GROUP 1645			
				U.S.	PATENT DOCUMENTS		<u> </u>		-	
EXAMINER INITIAL		DOCU NUME	JMENT BER	DATE	NAME	CI	.ASS	SUB- CLASS	FILING DATE	
	AA									
	AB									
	AC									
ı	AD		-							
	AE				,		•			
	AF		1							
	AG		,							
//	АН									
	AI									
	AJ									
	AK				7					
				FOREIG	ON PATENT DOCUMENTS					
EXAMINER INITIAL		DOCU	JMENT BER	DATE	COUNTRY	CI	ASS	SUB- CLASS	TRANSLATION	
	AL		<u></u>				==		Ye N	
	АМ								Ye N	
	AN								Ye N	
	AO						<u>-</u>		Ye N	
	AP		····						Ye N	
			OTHER (Inc	luding Author	Title, Date, Pertine	nt Pages,	etc.)			
	AR	<u>36</u>	Chinese H	o., et al., "Co Tamster Ovary of Tal Society (1	arbohydrate Structures Cells," <i>J. Biochem. (1</i> 991)	s of Human Tokyo) 110	Interl:693-70	eukin 5 1	Expressed in ese	
	AS	<u>36</u>	Cells and	Kopf, M., et al., "IL-5-Deficient Mice Have a Developmental Defect in CD5 ⁺ B-1 Cells and Lack Eosinophilia but have Normal Antibody and Cytotoxic T Cell Responses," <i>Immunity</i> 4:15-24, Cell Press (1996)						
	AT	<u>36</u>	and Mappi	ng of Mutation	Extensive Mutagenesis ns That Allow Capsid F icrobiology (1999)					
EXAMINER		L	l <u>. </u>			DAT	E CONSI	DERED		



ATTY. DOCKET NO. 1700.0300001/BJD/SJE APPLICATION NO. 10/622,064

APPLICANT

BACHMANN et al.

GROUP

INFO	RMATION	DISC	CLOSURE STA	TEMENT			GROUP 1645			
		-		v.s.	PATENT DOCUMENTS					
EXAMINER INITIAL		DOCU	MENT SER	DATE	NAME	CI	ASS	SUB- CLASS	FILING DATE	
	AA						_			
·	AB									
·	AC	ļ				<u> </u>				
	AD					<u> </u>				
	AÉ	•								
	AÉ					<u> </u>				
	AG	<u> </u>				—				
	AH					<u> </u>				
	AI	ļ				_				
	AJ	ļ								
	AK								. •	
				FOREIG	N PATENT DOCUMENTS				T-	
EXAMINER INITIAL		DOCU NUME	MENT BER	DATE	COUNTRY	CI	ASS	SUB- CLASS	TRANSLATION	
	AL								Yes No	
	AM								Yes No	
						<u> </u>			Yes	
	AN		•						No Yes	
	AO								No Yes	
	AP								No	
	1	(OTHER (Incl	uding Author,	Title, Date, Pertinent Pag	es,	etc.)			
	AR	<u>37</u>			unction Studies on Human Ma Reprod. Dev. 46:31-38, Wiley				mulating	
	AS	. <u>37</u>	and self-a	Kozlovska, T.M., et al., "Recombinant RNA phage Qβ capsid particles synthesized and self-assembled in <i>Escherichia coli</i> ," <i>Gene 137</i> :133-137, Elsevier Science Publishers B.V. (1993)						
	AT /	<u>37</u>	the expres	sion of a clo	1., "Formation of capsid-linguage of the control of the capsid-linguage of the capsid-lingu	rom	RNA-co	ntaining		
EXAMINER	1					DATE	CONSI	DERED		

Page 38 of 129

E	7 200		13)
W/8 77	ADEMA	.	
	FC	MAC	PT

TO-1449

ATTY. DOCKET NO. 1700.0300001/BJD/SJE APPLICATION NO. 10/622,064

APPLICANT

BACHMANN et al.

GROUP

INFORMATION DISCLOSURE STATEMENT						FILING DATE GROU July 18, 2003 1645					
				v.s.	PA	TENT DOCUMENTS					
EXAMINER INITIAL		DOCU NUMB	JMENT BER	DATE	N/	AME	CLi	ASS	SUB- CLASS	FILING D	ATE
	AA										
	AB	<u> </u>			丄		<u> </u>				
	AC	<u> </u>			丄		ـــــ			<u> </u>	
	AD	ـــــ			ot		ـــــ				
	AE	<u> </u>			丄		 			ļ	
	AF	<u> </u>			丄				<u> </u>	<u> </u>	
	AG	<u> </u>			↓_		╄		<u> </u>	 	
	АН	↓			丄		↓_		ļ	ļ	
	AI	<u> </u>			╄		ــــــ				
	AJ	<u> </u>			$oldsymbol{\perp}$		↓_		<u> </u>	 	
	AK			<u> </u>	上				<u> </u>		
	,			FOREIGN	N F	PATENT DOCUMENTS			1	 	
EXAMINER INITIAL		DOCU NUME	JMENT BER	DATE	CC	OUNTRY	CI	ASS	SUB- CLASS	TRANSLAT	ION
										T	Yes
	AL	┼			+		┼		 		Nо
	AM				igspace		<u> </u>			<u> </u>	Yes No
	AN				ot		L				Yes No
	AO									Ē:	Yes No
	AP									,	Yes No
	<u>*</u>	,	OTHER (Incl	uding Author,	Ti	itle, Date, Pertinent Page	es,	etc.)	<u> </u>	 _	
	AR	OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Kozlovskaya, T.M., et al., "Formation of capsid-like structures as a result of the expression of a cloned envelope protein gene from RNA-containing bacteriophage fr," STNEasy, Accession No. 1986:219892, CAplus English abstract (1986) (Document AT37)									
	AS	38	Specific A	rogfelt, K.A., et al., "Direct Evidence that the FimH Protein Is the Mannose- pecific Adhesin of <i>Escherichia coli</i> Type 1 Fimbriae," <i>Infect. Immun. 58</i> :1995- 998, American Society for Microbiology (1990)							
	AT	<u>38</u>		" Science 262		uctural Basis of Pilus Su 234-1241, American Associ					
EXAMINER			<u> </u>			1	DATE	CONSI	DERED		



INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 1700.0300001/BJD/SJE APPLICATION NO. 10/622,064

APPLICANT

BACHMANN et al.

FILING DATE
July 18. 2003

GROUP 1645

					July 18, 2003	1645				
				U.S.	PATENT DOCUMENTS					
EXAMINER INITIAL		DOCU NUME	MENT ER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE		
	AA									
	AB				·					
	AC					-				
	AD	-								
	AE									
	AF					.	ļ			
	AG						ļ			
	AH									
	AI					ļ				
	AJ									
	AK							ļ		
	·			FOREIG	N PATENT DOCUMENTS					
EXAMINER INITIAL	ģ,	DOCU NUME	MENT BER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION		
	AL							Yes No		
	AM							Yes No		
	AN							Yes No		
	AO							Yes . No		
	AP					,		, Yes No		
			OTHER (Incl	uding Author,	Title, Date, Pertinent Pag	es, etc.)	·L	<u> </u>		
	AR /	<u>39</u>	Kunimoto, utilizing use in ass	D.Y, et al., recombinant b	"High-level production of maculovirus expression. Puriologic role of IL-5 glycosy	nurine inte	of the rIL	-5 and its		
	AS	<u>39</u>	a New Clas	andschulz, W.H., et al., "The Leucine Zipper: A Hypothetical Structure Common to New Class of DNA Binding Proteins," <i>Science 240</i> :1759-1764, American Association or the Advancement of Science (1988)						
	AT	<u>39</u>	Continuous	Cell Line (X	ytopathic Effect and Plaque TC-2) from the Toad <i>Xenopus</i> niversity Press (1977)					
EXAMINER						DATE CONSI	IDERED			

Page 40 of 129

OIP E JCT	ابد	
NOV 1 7 2003	OFFIC	
FOR TRADENT	ORM	P

TO-1449

ATTY. DOCKET NO. 1700.0300001/BJD/SJE APPLICATION NO. 10/622,064

APPLICANT

BACHMANN et al.

INFORMATION DISCLOSURE STATEMENT FILING DATE GROUP July 18, 2003 1645 U.S. PATENT DOCUMENTS EXAMINER DOCUMENT DATE INITIAL NAME CLASS SUB-FILING DATE NUMBER CLASS AA AB AC ΑD ΑE AF AG AΗ ΑI АJ ΑK FOREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT DATE COUNTRY CLASS SUB-TRANSLATION NUMBER CLASS No Yes ΑM No Yes AN No Yes ΑO No Yes No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Lee, K.H., et al., "Two-Dimensional Electrophoresis of Proteins as a Tool in the AR Metabolic Engineering of Cell Cycle Regulation, "Biotech. Bioeng. 50:336-340, <u>40</u> John Wiley & Sons, Inc. (1996) Leech, M., et al., "Involvement of macrophage migration inhibitory factor in the evolution of rat adjuvant arthritis," Arthritis Rheum. 41:910-917, Arthritis Foundation (1998) AS 40 Leech, M., et al. "Regulation of macrophage migration inhibitory factor by AΤ <u>40</u> endogenous glucocorticoid in rat adjuvant-induced arthritis," Arthritis Rheum. 43:827-833, Arthritis Foundation (April 2000) EXAMINER DATE CONSIDERED



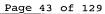
ATTY. DOCKET NO. 1700.0300001/BJD/SJE	APPLICATION NO. 10/622,064	
APPLICANT BACHMANN et al.		
	GROUP	

					BACHMANN et al.					
INFO	RMATION	DISC	CLOSURE STA	<u>TEMENT</u>	FILING DATE July 18, 2003		GROUP 1645	•		
				U.S.	PATENT DOCUMENTS					
EXAMINER INITIAL		DOCU	MENT BER	DATE	NAME	CLAS	ss	SUB- CLASS	FILING DATE	
	AA									
	AB		-							
	ÁC									
,	AD									
	AE									
	AF	<u> </u>				<u> </u>				
	AG									
	АН									
	AI									
,	AJ					_				
	AK									
				FOREIG	N PATENT DOCUMENTS					
EXAMINER INITIAL		DOCU NUME	MENT BER	DATE	COUNTRY	CLAS	ss	SUB- CLASS	TRANSLATION	
	AL								Yes No	
	AM			<u>.</u>					Yes No	
	AN								Yes No	
	AO					-			Yes No	
	AP	-							" Yes	
			OTHER (Incl	uding Author,	Title, Date, Pertinent Pag	es, e	tc.)			
	AR	<u>41</u>	vectors ba	Liljeström, P., and Garoff, H., "A new generation of animal cell expression vectors based on the semliki forest virus replicon," <i>Bio/technology 9</i> :1356-1361, Nature Publishing Company (1991)						
	AS	41	Liljeström 500, Curre	Liljeström, P., "Alphavirus expression systems," <i>Curr. Opin. Biotechnol. 5:</i> 495- 500, Current Biology, Ltd. (1994)						
	AT	<u>41</u>	Biol. Chem	et al., "The R n. 271:31839-3 Inc. (1996)	NA-binding Site of Bacteric 1845, The American Society	phage for E	e Qβ C Bioche	oat Prote mistry an	in," <i>J</i> . d Molecular	
EXAMINER						DATE	CONSI	DERED		



ATTY. DOCKET NO. 1700.0300001/BJD/SJE	APPLICATION NO. 10/622,064
APPLICANT BACHMANN et al.	

					BACHMANN et al.			<u> </u>		
INI	FORMATIO	N DIS	CLOSURE STA	ATEMENT	FILING DATE GROUP July 18, 2003 1645					
				v.s.	PATENT DOCUMENTS					
EXAMINER INITIAL		DOC!	UMENT BER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE		
	AA									
	AB	ļ								
	AC	<u> </u>			<u> </u>					
	AD	-								
	AE	- 								
	AF									
	AG AH	1				-		<u> </u>		
	AĻ	+			-					
	AJ	+-								
,	AK	,					<u> </u>			
				FOREIG	ON PATENT DOCUMENTS		I	<u> </u>		
EXAMINER INITIAL		DOC NUM	UMENT BER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION		
	AL							Yes No		
	AM							Yes No		
	AN							Yes No		
	AO	ļ						Yes		
	AP							Yes		
		<u></u>	OTHER (Inc.	luding Author,	Title, Date, Pertinent Pa	ages, etc.)			
	AR /	42	Lin, E.Y. Tumors to (March 20	Malignancy,"	lony-stimulating Factor 1: J. Exp. Med. 193:727-739,	Promotes F The Rocke	Progression efeller Uni	of Mammary versity Press		
	AS	<u>42</u>		g, F., et al., "PapD, a Periplasmic Transport Protein in P-Pilus is," <i>J. Bacteriol. 171</i> :6052-6058, American Society for Microbiology						
	AT /	42	parvoviru	s as an effic:	recombinant virus-like pa ient antigen carrier to el ant," Eur. J. Immunol. 28:	icit a pol	arized Thl	immune		
EXAMINER		l				DATE CON	SIDERED			
			· · · · · · · · · · · · · · · · · · ·							





communication to Applicant.

					L. L.	ATTY. DOCKET NO. 1700.0300001/BJD/SJE			APPLICATION NO. 10/622,064		
	FC	ORM P	TO-1449			APPLICANT . BACHMANN et al.					
INFORMATION DISCLOSURE STATEMENT						FILING DATE GROUP July 18, 2003 1645					
				U.S.	PATENT DO	CUMENTS			<u> </u>		
EXAMINER INITIAL		DOCU	MENT BER	DATE	NAME		CLA	ASS	SUB- CLASS	FILING DATE	
	AA										
	AB										
	AC										
	AD				·					,	
	AE										
	AF										
	AG			<i>t</i> • ′					,		
	AH										
	AI		4		_						
	AJ										
	AK										
				FOREIG	PATENT	DOCUMENTS					
EXAMINER INITIAL		DOCUMENT DATE COUNTRY CLASS SUB- NUMBER CLASS					TRANSLATION				
	AL									Yes No	
	AM									Yes No	
	AN									Yes No	
	AO									Yes No	
	AP								·	?. Yes	
	AP	<u> </u>	OMURD (Teal	uding luthor	mitic D	ate, Pertinent Pag		\		No	
	AR	<u>43</u>	López, O.,	et al., "Dire	ect forma	tion of mixed mice X-100," FEBS Let	elles	in th	e solubil 318, Else	ization of vier (1998)	
	Lowe, M.A., et al., "Immunoelectron Microscopic Analysis of Elongation of Type 1 Fimbriae in Escherichia coli," J. Bacteriol. 169:157-163, American Society for Microbiology (1987)										
	AT .	<u>43</u>	KDR Import Neutralizi	ant for Interand	action wi ntibodies	of the Residues in th Vascular Endoth ," <i>J. Biol. Chem.</i> ecular Biology, In	nelia <i>275</i> :	l Grow 14321-	th Factor 14330, The	and	
EXAMINER							DATE	CONSI	DERED		
EXAMINER: In line through	nitial citati	if re	ference co	nsidered, whet	her or no	ot citation is in idered. Include o	confe	ormance	e with MPE s form wit	P 609. Draw	

Page 44 of 129

NOV 1.7 2003 55

FORM PTO-1449

ATTY.	DOCKET	NO.
1700.	0300001/	/BJD/SJE

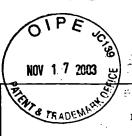
APPLICATION NO. 10/622,064

APPLICANT

j.					BACHMANN et al.			
INFO	RMATION	DIS	CLOSURE STA	TEMENT	FILING DATE July 18, 2003		ROUP 545	- -
				σ.s.	PATENT DOCUMENTS			
EXAMINER INITIAL		DOCU	JMENT BER	DATE	NAME	CLASS SUB- FILING DATE		
	AA							
	AB							
	AC							
	AD				I			
,	AE	,						
_	AF	/						
	AG							
يد	AH			1:		<u> </u>		
	AI	ļ		<u>'</u>				
<i></i>	AJ	ļ. —						
/	AK							a.
				FOREIG	N PATENT DOCUMENTS			
EXAMINER INITIAL		DOCT	JMENT BER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL							Yes No
	АМ							Yes No
	AN							Yes No
	AO							Yes No
	AP _							Yes No
		,	OTHER (Incl	uding Author,	Title, Date, Pertinent Pag	es, et	c.)	
	AR	<u>44</u> /	converting Involved i	g Enzyme-like .n Osteoclasto 13618, The Am	ence for a Role of a Tumor N Protease in Shedding of TRA genesis and Dendritic Cell derican Society for Biochemi	NCE, a Surviv	TNF Family M $al, "J. Biol.$	Member Chem.
	AS /	44			ruses as expression vectors ogy, Ltd. (1997)	s," Cur	r. Opin. Biot	cechnol.
	АТ	<u>44</u>	Recruitmen	A., et al., " nt and Lymphot s (May 2000)	BLC Expression in Pancreati oxin-Dependent Lymphoid Nec	c Isle ogenesi	ts Causes B C s," <i>Immunity</i>	Cell 12:471-481,
EXAMINER	<u> </u>					DATE C	ONSIDERED	



NOV 1	1 7 2013	33						P	Page 45 of 129
EFFE	- Açi	[]			ATTY. DOCKET NO. APPLICATION NO. 1700.0300001/BJD/SJE 10/622,064				
81	RADEM	ÓRM · P	PTO-1449		APPLICANT BACHMANN et al.				
			CLOSURE STA	TEMENT.	FILING DATE July 18, 2003 GROUP 1645				
				U.S.	PATENT DOCUMENTS				
EXAMINER INITIAL		DOCU	UMENT	DATE	NAME	CI	ASS	SUB- CLASS	FILING DATE
	AA	NOVI	3EK			+		CLASS	
	AB	1				1_			
	AC								
	AD								
	AE	↓				\bot			
	AF	↓				\bot		<u> </u>	
	AG	+-				$+\!\!\!\!-$		 	_
	AH	┼				$+\!\!\!-$		 	
	AI	 				—			
	AJ	+-				$+\!\!-$		 	
	AK /	/F				—			0
		T	-	FOREIGN	N PATENT DOCUMENTS	$\overline{}$		Т	T
EXAMINER INITIAL	·	DOCU NUME	UMENT BER	DATE	COUNTRY	CL	ASS	SUB- CLASS	TRANSLATION
	AL					\perp			Yes No
	АМ								Yes No
	AN								Yes No
	AO								Yes
	AP					1		1	Yes No
	1 ***		OTHER (Incl	luding Author,	Title, Date, Pertinent Pa	ges,	etc.)	<u>,L</u>	1
	AR	<u>45</u>	Mackay, J.	.L., and Browni	ing, J.L., "Turning off fo llan Magazines, Ltd. (1998	ollicu		endritic c	cells,"
	AS	Martiny-Baron, G., and Marmé, D., "VEGF-mediated tumour angiogenesis: a new target for cancer therapy," Curr. Opin. Biotechnol. 6:675-680, Current Biology, Ltd. (1995)							
	AT /	<u>45</u>	Specific o		The Isolation and Characte . <i>Invest</i> . 87:1456-1461, Th 91)				
EXAMINER			· · · · · · · · · · · · · · · · · · ·			DATE	CONSI	DERED	
	citati	ion if	f not in co		ther or not citation is in not considered. Include				



communication to Applicant.

FORM PTO-1449

ATTY. DOCKET NO. 1700.0300001/BJD/SJE

APPLICATION NO. 10/622,064

APPLICANT

BACHMANN et al.

INFORMATION DISCLOSURE STATEMENT						FILING DATE GROUP July 18, 2003 1645				
				v.s.	PATENT DO	CUMENTS				
EXAMINER INITIAL		DOCU NUME	JMENT BER	DATE	NAME		CL	ASS	SUB- CLASS	FILING DATE
	AA									
	AB									
	AC				<u>.</u>					
	AD									
	AE	<u> </u>				·				
	AF	ļ		,						
	AG									
	AH						$oldsymbol{ol}}}}}}}}}}}}}}}}}}$			
	AI	:								
	AJ		*							
	AK	<u> </u>								
				FOREIG	N PATENT D	OCUMENTS				
EXAMINER INITIAL		DOCU	JMENT BER	DATE	COUNTRY		CL	ASS	SUB- CLASS	TRANSLATION
										Yes
	AL	╂					+		ļ	No
	AM									Yes No
	AN									Yes No
	AO									Yes No
	AP					-				Yes
	1	<u>. </u>	OTHER (Incl	uding Author.	Title. Da	te, Pertinent Pag	Tes.	etc.)	1	2.0
	AR /	<u>46</u>	Matsumoto, Formation	M., et al.,	"Role of I	Lymphotoxin and t Science 271:1289-	he T	/pe 1 '		
	AS	<u>46</u>	Matthews, W., et al., "A receptor tyrosine kinase cDNA isolated from a population of enriched primitive hematopoietic cells and exhibiting close genetic linkage to c-kit," Proc. Natl. Acad. Sci. USA 88:9026-9030, National Academy Press (1991)					ic linkage to		
	AT /	<u>46</u>	mononuclea	us, D., et al ur cells is au Press (1999)	., "Inter] gmented ir	leukin-17 mRNA ex n multiple sclero	press	sion in	n blood ar . Scler. s	nd CSF 5:101-104,
EXAMINER							DATI	CONSI	DERED	



ATTY. DOCKET NO. 1700.0300001/BJD/SJE APPLICATION NO. 10/622,064

APPLICANT

BACHMANN et al. INFORMATION DISCLOSURE STATEMENT FILING DATE GROUP July 18, 2003 1645 U.S. PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT DATE NAME CLASS SUB-FILING DATE NUMBER CLASS ΔΔ AΒ AC AD ΑE AF AG AΗ ΑI ΑJ ΑK FOREIGN PATENT DOCUMENTS EXAMINER DOCUMENT DATE COUNTRY CLASS SUB-TRANSLATION INITIAL NUMBER CLASS ÁL No Yes AM No Yes ANNo Yes No Yes No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Mayer, K.L., and Stone, M.J., "NMR Solution Structure and Receptor Peptide AR <u>47</u> Binding of the CC Chemokine Eotaxin-2, "Biochemistry 39:8382-8395, American Chemical Society (July 2000) McClain, M.S., et al., "Roles of fimB and fimE in Site-Specific DNA Inversion Associated with Phase Variation of Type 1 Fimbriae in Escherichia coli," J. AS <u>47</u> Bacteriol. 173:5308-5314, American Society for Microbiology (1991) McPherson, P.S., "Regulatory Role of SH3 Domain-mediated Protein-Protein Interactions in Synaptic Vesicle Endocytosis," Cell Signal 11:229-238, Elsevier ΑT <u>47</u> Science, Inc. (1999) DATE CONSIDERED EXAMINER



BACHMANN et al.	
APPLICANT	
ATTY. DOCKET NO. APPLICATION NO. 1700.0300001/BJD/SJE 10/622,064	-

INF	ORMATIO	N DISC	CLOSURE STA	ATEMENT	FILING DATE July 18, 2003 GROUP 1645				
				v.s.	PATENT DOCUMENTS				
EXAMINER INITIAL		DOCU NUME	JMENT BER	DATE	NAME	CLA	.ss	SUB- CLASS	FILING DATE
	AA								
	AB								
	AC								<u></u>
	AD								
	AE								
	AF						_		
	AG								
	AH	<u> </u>						<u> </u>	
	AI								
	AJ								
	AK								
		,		FOREIG	N PATENT DOCUMENTS			_	
EXAMINER INITIAL		DOCT NUMI	UMENT BER	DATE	COUNTRY	CLA	.ss	SUB- CLASS	TRANSLATION
	AL								Yes No
								_	Yes
	AM	-						<u> </u>	No Yes
	AN	ļ				<u> </u>			No
	AO								Yes No
	AP								Yes No
		,	OTHER (Incl	luding Author.	Title, Date, Pertinent P	ages.	etc.)		
	AR	48	Mikulowska the Patho	a, A., et al., genesis of Col	"Macrophage Migration Ir lagen Type II-Induced Art ican Association of Immur	nhibito	ry Fac	ice," <i>J</i> .	
	AS	<u>48</u>	Millauer, negative	B., et al., " Flk-1 mutant,"	Glioblastoma growth inhik Nature 367:576-579, Natu	oited i	n vivo	o by a do	minant- (1994)
	AT /	48	Osteoclas	ts and Prevent togenesis," $J.$	oprotegerin Reverses Osteo s Vascular Calcification Exp. Med. 192:463-474, T	by Blo	cking	a Proces	s Resembling
EXAMINER			<u> </u>			DATE	CONS	IDERED	

Page 49 of 129

OIPE VC/LO	
NOV 1.7 2013	Ì
FATENT & TRADEHILE	

communication to Applicant.

FORM PTO-1449

ATTY. DOCKET NO. 1700.0300001/BJD/SJE APPLICATION NO. 10/622,064

APPLICANT

BACHMANN et al.

					DACINIMIN CE al.				
INI	FORMATIO	N DISC	LOSURE ST	ATEMENT	FILING DATE July 18, 2003		GROUP 1645		
				v.s	. PATENT DOCUMENTS		2		
EXAMINER								•	
INITIAL		DOCU NUMB		DATE	NAME	CI	ASS	SUB- CLASS	FILING DATE
	AA								
	AB	ļ							
	AC			_					
	AD								-
·	AĔ	ļ		<u> </u>				_	ļ
	AF	ļ —		ļ				· · · · · · · · · · · · · · · · · · ·	
	AG	_							+
	AH				 				
	\ AI			<u> </u>	ļ				
	AJ	ļ		-					
<u> </u>	AK	_1	,	1					<u> </u>
				FOREI	GN PATENT DOCUMENTS				
EXAMINER INITIAL		DOCU NUMB	MENT ER	DATE	COUNTRY	CI	LASS	SUB- CLASS	TRANSLATION
	AL								Ye:
	AM								Ye:
	AN								Yes
	AO								i Yes
	AP								i. Yes
	1112		MYRD /Tm-	ludina luthan	, Title, Date, Pertine	nt Docos			
	AR /	<u>49</u>	interleuk	in-5 glycopro	., "Purification and chotein, from a Baculovir and Press (1993)	naracteriz Tus expres	ation o sion sy	f recomb	inant murine iochem. Soc.
	AS	<u>49</u>	Functiona	l Follicular	"Impaired Prion Replic Dendritic Cells," <i>Scie</i> dvancement of Science (ence 288:1	257-125		
	AT /	<u>49</u>		proteins from	Iscom, a novel structur n enveloped viruses," <i>N</i>				
EXAMINER .		· · · · · · ·				DAT	E CONSI	DERED	-

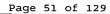
OIP E VOIGO
NOV 1 7 2003 25
FORM PTO-1449

ATTY. DOCKET NO. 1700.0300001/BJD/SJE

APPLICATION NO. 10/622,064

APPLICANT

_		JRM P10-1449		APPLICANT BACHMANN et al.					
INF	ORMATION	DISCLOSURE S	<u> PATEMENT</u>	FILING DATE July 18, 2003					
		•	υ.s.	PATENT DOCUMENTS					
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME ·	CLASS	SUB- CLASS	FILING DATE		
	AA								
	AB								
	AC			, , , , , , , , , , , , , , , , , , , ,					
	AD								
	AÉ								
	AF								
	AG								
-	AH								
	AI								
	AJ								
	AK								
•			FOREI	GN PATENT DOCUMENTS					
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION		
	AL						Ye N		
	AM						Ye N		
	AN						Ye N		
	AO						, Ye		
	AP						Ye N		
		OTHER (In	cluding Author	, Title, Date, Pertine	ent Pages, etc.)				
	AR	50 SDF-1α a	C., et al., "I nd SDF-1β by a Science B.V.	warge quantity product: Sendai virus vector, (1998)	ion with extreme " FEBS Lett. 425	e convenie 5:105-111,	nce of human Amsterdam		
	AS			nvolvement of chemokin 0:50-56, Nature Publis			ncer		
	АТ	pastoris		al., "Expression of Ho and Characterization					
EXAMINER	_1	1	· ··· <u>-</u>		DATE CONS	SIDERED			



OIPE OIR
NOV 1 7 2003 55
TRAIL MADE

ATTY. DOCKET NO. APPLICATION NO. 1700.0300001/BJD/SJE 10/622,064

APPLICANT BACHMANN et al.

				BACHMANN et al.						
INF	ORMATION	DISCLOSURE ST	ATEMENT	FILING DATE July 18, 2003		GROUP 1645				
			σ. ε	S. PATENT DOCUMENTS	_					
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME,	CLASS	SUB- CLASS	FILING DATE			
	AA									
	AB									
	AC									
	AD									
	AE									
	AF	,								
	AG									
	AH ´									
	AI									
	AJ									
	AK				<u> </u>					
	<u> </u>	T	FORE	IGN PATENT DOCUMENTS			Τ.			
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION			
	AL						Yes No			
	АМ						Yes No			
	AN						Yes No			
	AO						Yes No			
	AP						Yes			
		OTHER (Inc	luding Autho	r, Title, Date, Perti	nent Pages, etc	:.)				
	AR	Lymphoid 51 Mapped to	Tissue Chemo Chromosome	Molecular Cloning of a kine That Is a Potent 9p13," <i>J. Biol. Chem.</i> Molecular Biology, In	Chemoattractar 272:19518-1952	nt for Lymph	ocytes and			
	Nanki, T., et al., "Stromal Cell-Derived Factor-1-CXC Chemokine Receptor 4 Interactions Play a Central Role in CD4* T Cell Accumulation in Rheumatoid Arthritis Synovium," J. Immunol. 165:6590-6598, The American Association of Immunologists (December 2000)									
	АТ	E in the	ene, S., and pap operon c Ltd. (1996)	Uhlin., B.E., "In vit. of Esherichia coli," M	ro analysis of ol. Microbiol.	mRNA proces 21:55-68, E	sing by Rnase			
	1 1									

/	OIPE VO	38
(0	NOV 1 7 2003	FICE
	FRADEMARY	7

communication to Applicant.

Page 52 of 129 ATTY. DOCKET NO. APPLICATION NO. 1700.0300001/BJD/SJE 10/622,064 FORM PTO-1449 APPLICANT BACHMANN et al. INFORMATION DISCLOSURE STATEMENT FILING DATE GROUP 1645 July 18, 2003 U.S. PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT DATE NAME CLASS SUB-FILING DATE NUMBER CLASS AA AB AC AD ΑE AF AG AΗ ΑI ΑJ AK FOREIGN PATENT DOCUMENTS EXAMINER ; INITIAL DOCUMENT DATE COUNTRY CLASS SUB-TRANSLATION NUMBER CLASS Yes ALNo Yes AΜ No Yes AN No Yes ΑO No Yes No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Neirynck, S., et al., "A universal influenza A vaccine based on the extracellular AR 52 domain of the M2 protein, " Nat. Med. 5:1157-1163, Nature Publishing Company (1999) Newman, J.V., et al., "Stimulation of Escherichia coli F-18Col Type-1 fimbriae AS <u>52</u> synthesis by leuX," FEMS Microbiol. Lett. 122:281-287, Elsevier (1994) Ni, C.-Z., et al., "Crystal structure of the coat protein from the GA bacteriophage: Model of the unassembled dimer," Protein Sci. 5:2485-2493, ΑT 52 Cambridge University Press (1996) EXAMINER DATE CONSIDERED EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw

line through citation if not in conformance and not considered. Include copy of this form with next

Page 53 of 129



FORM PTO-1449

ATTY. DOCKET NO.	APPLICATION NO.
1700.0300001/BJD/SJE	10/622,064
APPLICANT	

APPLICANT

BACHMANN et al.

INF	ORMATIO	N DISC	LOSURE STA	TEMENT	FILING DATE GROUP July 18, 2003 1645						
				v.s.	PATENT DOC	JMENTS					
EXAMINER INITIAL	II				NAME		CI	ASS	SUB- CLASS	FILING	DATE
	AA	ļ									
	AB	ļ								<u> </u>	
	AC					· - · · · · · · · · · · · · · · · · · ·	_			<u> </u>	
	AD		_							<u> </u>	
	AE	.					-				
	AF	ļ							ļ	<u> </u>	
	AG	 					-				
	AH		<u>,</u>				-				
	AI	+		<u> </u>							
	AJ	 '									
	AK		•]	,	
		T		FOREIG	N PATENT DO	CUMENTS	_		1	Ţ	
EXAMINER INITIAL		DOCU!		DATE	COUNTRY		CT	ASS	SUB- CLASS	TRANSLA	ATION
	AL										Yes No
	AM '										Yes No
.4	AN										Yes No
	AO									.:	Yes No
	AP										Yes No
		, O	THER (Incl	uding Author.	Title. Dat	e, Pertinent Pag	768.	etc)			
	AR	E 2	in the Es		pap Operor	fecting mRNA Pr 1," J. Bacteriol					
	AS	<u>53</u>	Oberlin, E., et al., "The CXC chemokine SDF-1 is the ligand for LESTR/fusin and prevents infection by T-cell-line-adapted HIV-1," Nature 382:833-835, Nature Publishing Group (1996)								and
	AT	53	Additional of Accumul	l Mutagenesis lated Structur	Studies: Are-Activity	acture of Recomb Attempt at a M Relationship Da (August 2000)	ore C	compreh	ensive I	nterpreta	
EXAMINER	1					.,	DATE	CONSI	DERED		

OIPEVO	180	
NOV 1 7 2003	PFICE	
FIFT & TRADEM	FORM	I

ATTY. DOCKET NO. 1700.0300001/BJD/SJE APPLICATION NO. 10/622,064

FORM PTO-1449						APPLICANT BACHMANN et al.						
INFO	RMATION	DISC	CLOSURE STA	TEMENT		FILING DATE July 18, 2003 GROUP 1645						
				v.s.	PF	ATENT DOCUMENTS						
EXAMINER INITIAL					NAME			ASS	SUB- CLASS	FILING DATE		
	AA		· -									
	AB	<u></u>										
	AC		·									
	AD				L				<u> </u>			
	AE				L							
	AF				L							
	AG				L					<u> </u>		
	АН	5,			L							
1:	AI				L							
	AJ,				L							
	AK	<u> </u>			L							
				FOREIG	N	PATENT DOCUMENTS						
EXAMINER INITIAL		DOCT DUME	JMENT BER	DATE		COUNTRY	CL	ASS	SUB- CLASS	TRANSLATION		
	AL									Yes No		
	AM									Yes No		
	AN									Yes No		
	AO					·				Yes No		
	AP									Yes No		
			OTHER (Incl	uding Author,	т	itle, Date, Pertinent Pa	ges,	etc.)				
	Olszewska, W., et al., "Protection against Measles Virus-Induced Encephalitis by Anti-mimotope Antibodies: The Role of Antibody Affinity," Virology 272:98-105, Academic Press (June 2000)											
	AS	<u>54</u>	Orndorff, P.E., and Falkow, S., "Identification and Characterization of a Gene Product That Regulates Type 1 Piliation in <i>Escherichia coli</i> ," <i>J. Bacteriol</i> . 160:61-66, American Society for Microbiology (1984)									
	AT	<u>54</u>	the Struct	ural Component	t	ow, S., "Nucleotide Seque of Type 1 Pili in <i>Escher</i> iety for Microbiology (1	ichia					
EXAMINER							DATE	CONSI	DERED			



ATTY. DOCKET NO. APPLICATION NO. 1700.0300001/BJD/SJE 10/622,064 APPLICANT

BACHMANN et al.

INFORMATION DISCLOSURE STATEMENT

FILING DATE GROUP July 18, 2003 1645

				\	July 18, 2003	1645			
				υ.s	. PATENT DOCUMENTS			_	
EXAMINER INITIAL		DOCU	JMENT BER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE	
	AA		,						
	AB								
	AC			<u> </u>					
	AD								
	AE	(
	AF								
	AG								
	АH	<u> </u>							
	AI	ļ <u> </u>							
	AJ	ļ						<u> </u>	
	AK								
				FOREI	GN PATENT DOCUMENTS	_			
EXAMINER INITIAL		DOC!	UMENT BER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
	AL							Yes No	
	AM							Yes No	
	AN						:	Yes No	
	AO							Yes No	
	AP			<u>.</u>				Yes No	
			OTHER (Inc	luding Author	, Title, Date, Pertine	nt Pages, etc.)			
	AR	<u>55</u>	Science 2	43:538-542, A	"Evidence That the Leu American Association fo "Mechanism of Specific	r the Advanceme	ent of Sci	ence (1989)	
	Pandit, J., et al., "Three-dimensional Structure of Dimeric Human Recombinant Macrophage Colony-Stimulating Factor," Science 258:1358-1362, American Association for the Advancement of Science (1992)								
EXAMINER						DATE CONS	IDERED		

NOV 1 7 2003	20 301
FORM	PTO

ATTY. DOCKET NO. 1700.0300001/BJD/SJE	APPLICATION NO. 10/622,064
APPLICANT BACHMANN et al.	
ETITMO DAME	CDOUD

-1449 INFORMATION DISCLOSURE STATEMENT FILING DATE GROUP July 18, 2003 1645 U.S. PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT DATE NAME CLASS SUB-FILING DATE NUMBER CLASS AΑ AB AC ΑD ΑÉ AF AG AΗ ΑI ΑĴ ΑK FOREIGN PATENT DOCUMENTS EXAMINER CLASS SUB-TRANSLATION DOCUMENT DATE COUNTRY INITIAL NUMBER CLASS Yes ALNo Yes AΜ No Yes AN No Yes ΑO No Yes AΡ No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Pierrot, C., et al., "Expression of Rat Interleukin-5 and Generation of Neutralizing Antiserum: a Comparative Study of Rat IL-5 Produced in Escherichia AR <u>56</u> coli and Insect Cells, " Biochem. Biophys. Res. Commun. 253:756-760, Academic Press (1998) Pierson-Mullany, L.K., et al. "Characterization of polyclonal allergen-specific IgE responses by affinity distributions," Mol. Immunol. 37:613-620, Elsevier AS <u>56</u> Science, Ltd. (August 2000) Piossek, C., et al., "Vascular Endothelial Growth Factor (VEGF) Receptor IIderived Peptides Inhibit VEGF," J. Biol. Chem. 274:5612-5619, The American AΤ 56 Society for Biochemistry and Molecular Biology, Inc. (1999) DATE CONSIDERED EXAMINER



ATTY. DOCKET NO. 1700.0300001/BJD/SJE APPLICATION NO. 10/622,064

APPLICANT

BACHMANN et al.

ETLING DATE

GROUD

INFO	RMATION	DISC	CLOSURE STA	TEMENT		FILING DATE July 18, 2003 GROUP 1645				
				v.s.	PA'	TENT DOCUMENTS				
EXAMINER INITIAL		DOCU	JMENT BER	DATE	N.F	AME	СГЛ	ASS	SUB- CLASS	FILING DATE
	AA									
	AB									
	AC				_		_			
	AD						_			
	AE	ļ <u>.</u>					ļ			
	AF				<u> </u>	· .	<u> </u>			
	AG						ļ			
	AH				<u> </u>					
	AI				┸		<u> </u>			
	LΑ	<u> </u>			$oldsymbol{\perp}$					
	AK				<u> </u>					<u> </u>
/				FOREIG	N F	PATENT DOCUMENTS				
EXAMINER INITIAL		DOCU NUME	JMENT BER	DATE	CC	OUNTRY	CL	: · ASS	SUB- CLASS	TRANSLATION
	ļ.,			(Yes
	AL	+			+		\vdash	•		No Yes
	AM	ļ								No
	AN						L			Yes No
	AO								·	Yes No
	AP					r'∧.				Yes No
	<u>' </u>		OTHER (Incl	uding Author,	, Ti	itle, Date, Pertinent Pag	es,	etc.)		
	OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Presta, L.G., et al., "Humanization of an Anti-Vascular Endothelial Growth Factor Monoclonal Antibody for the Therapy of Solid Tumors and Other Disorders," Cancer Res. 57:4593-4599, The American Association for Cancer Research (1997)									
	Priano, C., et al., "A Complete Plasmid-based Complementaion System for RNA Coliphage Qβ: Three Proteins of Bacteriophages Qβ (Group III) and SP (Group IV) can be Interchanged," J. Mol. Biol. 249:283-297, Academic Press, Ltd. (1995)									(Group IV)
	AT /	´ <u>57</u>	interleuk:	, A.E.I., et a in-5 expressed land Press, Lt	d ii	, "Preparation and charac n recombinant <i>Escherichia</i> (1990)	teri col	zatior !i," Bi	of human	270:357-
EXAMINER							DATE	CONSI	DERED	



ATTY. DOCKET NO. 1700.0300001/BJD/SJE APPLICATION NO. 10/622,064

APPLICANT

					BACHMANN et al.					
INFO	RMATION	DISC:	LOSURE STA	ATEMENT	FILING DATE July 18, 2003					
				U.S.	PATENT DOCUMENTS					
EXAMINER INITIAL	,	DOCU!		DATE	NAME	CI	LASS	SUB- CLASS	FILING DATE	
	AA	<u> </u>								
	AB									
	AC							<u> </u>		
	AD	ļ						ļ		
	AE	ļ								
	AF									
	AG									
	AH									
	AI									
	AJ.							-	<u> </u>	
	AK	1		<u> </u>	<u> </u>					
	<u> </u>	T		FOREIG	N PATENT DOCUMENTS	·		T	- Т	
EXAMINER INITIAL		DOCUI NUMBI		DATE	COUNTRY	CI	LASS	SUB- CLASS	TRANSLATION	
	AL	<u> </u>						ļ	Ye N	
	AM	ļ							Ye N	
	AN								Ye N	
	AO								Ye N	
	AP					•			Ye:	
		0	THER (Inc.	luding Author,	Title, Date, Perti	nent Pages,	etc.)			
	AR	ŀ	and Obvia	tes Surface At	Recombinant Cyclin tachment of Chinese Bioeng. 47:476-482,	Hamster Ov	ary (CI	HO) Cells	in Protein-	
Risau, W., "Mechanisms of angiogenesis," Nature 386:671-674, Nature Publ Group (1997)									Publishing	
	AT _	<u>58</u>	fimbriati	on in pathogen	ne Pai-associated le lic Escherichia coli bbiol. 25:871-882, B	by control	of Fir	mB recomb	inase	
	:									

P	NOV 1.7 20	" CAT			ATTY. DOCKET NO. APPLICATION NO. 1700.0300001/BJD/SJE 10/622,064					
	ENT & TRAB	9RM PTO-1449		APPLICANT BACHMANN et al.						
IN	FORMATION	DISCLOSURE	STATEMENT	FILING DATE July 18, 2003		GROUE	?			
· · <u>- · · · · · · · · · · · · · · · · ·</u>			U.S	. PATENT DOCUMENTS		12013				
EXAMINER										
INITIAL		DOCUMENT NUMBER	DATE	NAME	c:	LASS	SUB- CLASS	FILING DATE		
	AA	NONBER					CIASS			
	AB									
	AC									
	AD									
	AE						-			
	AF				-					
Ė	AG	i								
	АН	, .								
	AI									
	AJ									
	AK									
		·	FORE	IGN PATENT DOCUMENT	rs					
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	C	LASS	SUB- CLASS	TRANSLATION		
	AL							Yes		
	AM							Yes		
	AN							Yes No		
	AO							yes Yes		
	AP							Yes		
		OTHER (I	ncluding Author	r, Title, Date, Per	rtinent Pages,	etc.)	_			
	AR	leucine 59 site-sp	-responsive re	mfield, I.C., "Leud gulatory protein (I nation in <i>Escherich</i> d. (1998)	Lrp) with the	fim sw	itch to s	timulate		
	AS	Disease	Paired Helical Core Protein,"	"Isolation and Cher l Filament Cytoske J. Cell Biol. 107	letons: Differ	entiat	ion from .	Amyloid		
	AT	Core Pr		"Morphological and d from Alzheimer Di s, Ltd. (1993)						
EXAMINER		1			DAT	E CONS	IDERED			
EXAMINER:	Initial	if reference	considered, wh	nether or not citat	ion is in con	formano	ce with MI	PEP 609. Draw		

line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

	ENT & TRI	DEMP			ATTY. DO	CKET NO.			CATION NO).
	. F	ORM F	PTO-1449		APPLICAN'	r		10/02	2,004	
INI	FORMATIO	N DIS	CLOSURE STA	TEMENT	FILING DA			GROUP 1645		
		_	· · · · · · · · · · · · · · · · · · ·	v.s	. PATENT DOCT					
EXAMINER										
INITIAL		DOCI	JMENT BER	DATE	NAME		CL	ASS	SUB- CLASS	FILING DATE
	AA									
	AB									
	AC									
	AD									
	AE									
	AF									
	AG	4							<u> </u>	
	HA									
	AI									
	AJ								ļ	
	AK	<u> </u>	· <u>-</u>						<u> </u>	
				FORE:	IGN PATENT DO	CUMENTS			·	
EXAMINER INITIAL		DOC!	UMENT BER	DATE	COUNTRY		CI	ASS	SUB- CLASS	TRANSLATION
	AL									Ye N
										Ye
	AM	 								Ye:
	AN	-							<u> </u>	N-
	AO								<u></u>	Ye
	AP									Ye:
			OTHER (Inc)	luding Author	r, Title, Dat	e, Pertinent	Pages,	etc.)		
-	AR	<u>60</u>		, S., "The T Ltd. (1997)	h1/Th2 paradi	gm," Immunol	. Today	18:26	3-266, El	sevier
	AS	<u>60</u>	Rothenberg, M.E., et al., "Targeted Disruption of the Chemokine Eotaxin Partially Reduces Antigen-induced Tissue Eosinophilia," <i>J. Exp. Med. 185</i> :785-790, The Rockefeller University Press (1997)							
	AT /	<u>60</u>	combination	S., et al., on with anti ress (Septem	"In vitro inh retroviral dr ber 2000)	ibition of Hi ugs," <i>Antivi</i> i	IV-1 by r. Ther.	Met-S 5:19	DF-1β alo 9-204, In	ne or in ternational
		L	<u> </u>					CONS		

communication to Applicant.

OVP NOV 1/2	7 2003 33140	.	,				1		
TEN,	CMART		·						Page 61 of 129
Q TRI	AUC				ATTY. DOCKET NO. 1700.0300001/BJD/SJE		APPLI 10/62	CATION NO	э.
	F	ORM I	PTO-1449		APPLICANT		,		
TNE	1017444905	N DIS	CLOSURE STA	TEMENT	BACHMANN et al. FILING DATE	-	GROUP		
			01000111		July 18, 2003		1645		<u>.</u>
,				υ.s.	PATENT DOCUMENTS				
EXAMINER INITIAL		DOC NUM	UMENT BER	DATE /	NAME	CLA	ss	SUB- CLASS	FILING DATE
	AA	ļ							
	AB	 							
	AC AD	╂──				_			
	AE	 				-			
	AF								
	AG							·	
	AH						_		
	AI								
	AJ AK	+							
	AK	1		FOREIG	N PATENT DOCUMENTS			L	
EXAMINER INITIAL			UMENT BER	DATE	COUNTRY	CLA	ss	SUB- CLASS	TRANSLATION
	AL								Yes No
	AM								Yes No
	AN								Yes
									No Yes
	AO	<u> </u>				1			No Yes
	AP	,							No
			OTHER (Inc)	uding Author,	Title, Date, Pertinent P	ages, e	tc.)		
-	AR	<u>61</u>	Genes Alte	er Pilus Numbe	dorff, P.E., "Lesions in T er and Length without Affe 35, American Society for M	ecting F	Recept	or Bindi	Type 1 Pilus ng," <i>J</i> .
	AS `	<u>61</u>	murine ant	cigen-induced	ole of macrophage migratic arthritis: interaction wi Blackwell Science (Februar	th glud	cocort		
	AT ,	<u>61</u>			"Ramifications of kinetic DJ. 17:2177-2185, Oxford				
EXAMINER	1		1	· · · · · · · · · · · · · · · · · · ·		DATE	CONSI	DERED	
EXAMINER:	Initial	if ~	eference co	nsidered who	ther or not citation is i	n confo	rmanc	e with M	PEP 609. Draw
line throug	gh citat:	ion i	f not in co	onformance and	not considered. Include	copy o	of thi	s form w	ith next



/0 %	
MON 1 3 5003 55	
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
TRADEMAT	

· · · ;	.•					ATTY. DOCKET NO. 1700.0300001/BJD/SJE		APPLI 10/62	CATION NO.	
	F	ORM P	PTO-1449			APPLICANT BACHMANN et al.				
<u>info</u>	RMATION	DIS	CLOSURE STA	TEMENT		FILING DATE July 18, 2003		GROUP 1645		
				v.s.	PAT	TENT DOCUMENTS				
EXAMINER INITÍAL		DOCT NUMI	JMENT BER	DATE	NA	AME	CL	ASS	SUB- CLASS	FILING DATE
	AA									
	AB					·				
	AC				<u> </u>		<u> </u>	-		
	AD				↓_		ļ			· · · · · · · · · · · · · · · · · · ·
	AE ,	<u> </u>			↓		<u> </u>			
	AF		-		1		ـــــ			
	AG ·				┿		-			
	AH				\vdash		-			
	AI				+		+			
	AJ	-		,	+		 			
	AK								<u> </u>	
	T	1		FOREIG	T P	PATENT DOCUMENTS	1]	· · · · · · · · · · · · · · · · · · ·
EXAMINER INITIAL		DOC!	UMENT BER	DATE	cc	DUNTRY	CL	ASS	SUB- CLASS	TRANSLATION
	AL									Yes No
	AM									Yes No
	AN									Yes No
	AO									Yes No
	AP									Yes No
			OTHER (Incl	uding Author,	Ti	tle, Date, Pertinent Page	es,	etc.)		
	AR	<u>62</u>				nization with amyloid-β a PP mouse," <i>Nature 400</i> :173				
	Schlesinger, S., "Alphaviruses - vectors for the expression of heterologous genes," Trends Biotechnol. 11:18-22, Elsevier Science Publishers, Ltd. (1993)									
	AT /	<u>62</u>				g cell biology into thera A31, Nature Publishing Gr				Alzheimer's
EXAMINER							DATE	CONSI	DERED	
	citati	on i	f not in co			er or not citation is in out considered. Include co				

Page 63 of 129

OIPE JCTO	
NOV 1.7 2003 33140	
TENT & TRADEMIT	_

FORM PTO-1449

	APPLICATION NO. 10/622,064
APPLICANT BACHMANN et al.	

	-				BACHMANN et al.			
INF	ORMATION	DISC	CLOSURE STA	TEMENT	FILING DATE July 18, 2003	GROU: 1645		
				v.s.	PATENT DOCUMENTS			
EXAMINER INITIAL		DOCU NUÑE	MENT BER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA		ė.					
	AB		<u>₩</u> .					
	AC -		,					
	ÁD							
	AE							
	AF				,			
	AG							
	AH							
	AI							
	AJ	ļ						
	AK				_		<u></u>	
				FOREIG	N PATENT DOCUMENTS			
EXAMINER INITIAL		DOCU NUME	JMENT BER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL							Yes No
	AM							Yes No
	AN	<u> </u>						Yes No
;	AO							Yes No
	AP							Yes No
	.,		OTHER (Incl	uding Author,	Title, Date, Pertinent Pag	es, etc.)	· ·	
	AR	<u>63</u>	conserved	in pilus chap	Interactive surface in the erone superfamily and essen 747-4756, Oxford University	tial in s	subunit rec	
	AS	, <u>63</u>	Smyth, C.	J., et al., "F nesis," <i>FEMS I</i>	imbrial adhesins: similarit mmun. Med. Microbiol. 16:12	ies and v 7-139, El	variations Ssevier (19	in structure
	AT /	63			CC chemokine 6Ckine binds t d. <i>Sci. USA 95</i> :8205-8210, N			
EXAMINER						DATE CONS	IDERED	

OIPE JCTOS	
NOV 1 7 2003 25	
FORM TRADEMENT FORM	PTO-1449

ATTY. DOCKET NO. 1700.0300001/BJD/SJE APPLICATION NO. 10/622,064

APPLICANT

					BACHMANN et al.			
INF	ORMATIO	N DISC	CLOSURE STA	TEMENT	FILING DATE July 18, 2003		ROUP 645	
				U.S.	PATENT DOCUMENTS			
EXAMINER INITIAL				DATE	NAME	CLAS	S SUB- CLASS	FILING DATE
	AA							
	AB							
	AC	<u> </u>						
	AD							
	AE							
	AF	ļ						
	AG							
	AH		 					
	AI	1						
	AJ	1	·					
	AK	<u> </u>			<u> </u>	<u> </u>		
			· · · · · · · · · · · · · · · · · · ·	FOREIG	N PATENT DOCUMENTS	1		 .
EXAMINER INITIAL		DOCU NUMI	JMENT BER	DATE	COUNTRY ,	CLAS	S SUB- CLASS	TRANSLATION
· · · · · · · ·	AL							Ye N
	AM	ļ						Ye N
	AN	ļ						Ye N
	AO							. Ye
	AP							Ye N
		(OTHER (Incl	uding Author,	Title, Date, Pertinent Pa	iges, et	cc.)	
	AR	<u>64</u>	Soto, G.E quaternary Press (199	y interactions	eriplasmic chaperone recogn in the pilus," $\it EMBO~J.~17$	nition (7:6155-6	motif of sub 6167, Oxford	units mediates University
	AS /	<u>64</u>		ecture and Ass	en, S.J., "Bacterial Adhesi sembly," <i>J. Bacteriol. 181</i>			
	AT /	64			"The hormone resistin link lishing Group (January 200		ity to diabe	tes," Nature
EXAMINER	_1	1				DATE (CONSIDERED	
	Initial	i	e forence de	maidored who	ther or not citation is in	confor	mance with N	ADED 609 Dra

- M-		
OIPE VC/4	, 0 \	
NOV 1.7 2003	3013	
FIEN & TRADERNE	ORM	P

ATTY. DOCKET NO. 1700.0300001/BJD/SJE TO-1449

APPLICATION NO. 10/622,064

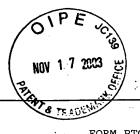
APPLICANT

BACHMANN et al.

INFORMATION DISCLOSURE STATEMENT

GROUP FILING DATE

NUMBER AA AB AB AC AD AC AD AE AF AG AF AG AH AI AI AJ AJ BOCUMENT NUMBER AN AN AN AN AN AN AN AN AN A	
INITIAL DOCUMENT NUMBER AA AB AC AC AD AF AG AF AG AH AI AI AJ AK FOREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER TOTHER (Including Author, Title, Date, Pertinent Pages, etc.) THER (Including Author, Title, Date, Pertinent Pages, etc.) Stollar, V., "Togaviruses in Cultured Arthropod Cells," in The Togaviruse Biology, Structure, Replication, Schlesinger, R.W., ed., Academic Press, York, N.Y., pp.583-621 (1980) Strauss, J., and Strauss, E.G., "The Alphaviruses: Gene Expression, Replication," Microbiol. Rev. 58:491-562, American Society for Microbiol (1994) Strauss, J., and Strauss, E.G., "The Alphaviruses: Gene Expression, Replication," Microbiol. Rev. 58:491-562, American Society for Microbiol (1994)	
AB AC AD AB AB AC AD AB AF AG AF AG AH AI AJ AN AN BEXAMINER INITIAL AN AN AN AN AN AN AN AN AN	ING DATE
AC AD AE AF AF AG AG AH AI AJ AJ AK FOREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT DATE COUNTRY CLASS SUB- CLASS TR TR CLASS TR	-
AD AE AF AG AG AH AI AJ AX BEXAMINER INITIAL AN AN AN AN AN AN AN AN AN	
AE AF AG AH AI AI AJ AK FOREIGN PATENT DOCUMENTS SXAMINER INITIAL DOCUMENT DOTHER (Including Author, Title, Date, Pertinent Pages, etc.) AR OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Stollar, V., "Togaviruses in Cultured Arthropod Cells," in The Togaviruse, Biology, Structure, Replication, Schlesinger, R.W., ed., Academic Press, York, N.Y., pp.583-621 (1980) AS Strauss, J., and Strauss, E.G., "The Alphaviruses: Gene Expression, Repl: and Evolution," Microbiol. Rev. 58:491-562, American Society for Microbiol. (1994) Striker, R.T., et al., "Stable Fiber-forming and Nonfiber-forming Chapers of Striker, R.T., et al., "Stable Fiber-forming and Nonfiber-forming Chapers of Striker, R.T., et al., "Stable Fiber-forming and Nonfiber-forming Chapers.	
AF AG AH AH AI AI AJ AK FOREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER DOCUMENT NUMBER AN	
AG AH AI AI AJ AK FOREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT DATE COUNTRY AM AN	
AH AI AJ AJ AK FOREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER AL AM AN	
AT AJ AJ AK FOREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT DATE COUNTRY CLASS SUB-CLASS AL AM AN	
AJ AK FOREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER AL AM AN AN AN AO AP OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Stollar, V., "Togaviruses in Cultured Arthropod Cells," in The Togaviruse Biology, Structure, Replication, Schlesinger, R.W., ed., Academic Press, York, N.Y., pp.583-621 (1980) AS 65 Strauss, J., and Strauss, E.G., "The Alphaviruses: Gene Expression, Replication, Schlesinger, R.W., ed., Academic Press, York, N.Y., pp.583-621 (1980) Strauss, J., and Strauss, E.G., "The Alphaviruses: Gene Expression, Replication, Schlesinger, R.W., ed., Academic Press, York, N.Y., pp.583-621 (1980) Strauss, J., and Strauss, E.G., "The Alphaviruses: Gene Expression, Replication, Schlesinger, R.W., ed., Academic Press, York, N.Y., pp.583-621 (1980)	
POREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT DATE COUNTRY CLASS SUBCLASS AL AM AN AN AN AO OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Stollar, V., "Togaviruses in Cultured Arthropod Cells," in The Togaviruse Biology, Structure, Replication, Schlesinger, R.W., ed., Academic Press, York, N.Y., pp.583-621 (1980) AS Strauss, J., and Strauss, E.G., "The Alphaviruses: Gene Expression, Repl. and Evolution," Microbiol. Rev. 58:491-562, American Society for Microbiol (1994) Striker, R.T., et al., "Stable Fiber-forming and Nonfiber-forming Chapers Striker, R.T., et al., "Stable Fiber-forming and Nonfiber-forming Chapers Striker, R.T., et al., "Stable Fiber-forming and Nonfiber-forming Chapers Striker, R.T., et al., "Stable Fiber-forming and Nonfiber-forming Chapers Striker, R.T., et al., "Stable Fiber-forming and Nonfiber-forming Chapers Striker, R.T., et al., "Stable Fiber-forming and Nonfiber-forming Chapers Striker, R.T., et al., "Stable Fiber-forming and Nonfiber-forming Chapers Striker, R.T., et al., "Stable Fiber-forming and Nonfiber-forming Chapers Striker, R.T., et al., "Stable Fiber-forming and Nonfiber-forming Chapers Striker, R.T., et al., "Stable Fiber-forming and Nonfiber-forming Chapers Striker, R.T., et al., "Stable Fiber-forming and Nonfiber-forming Chapers Striker, R.T., et al., "Stable Fiber-forming and Nonfiber-forming Chapers Striker, R.T., et al., "Stable Fiber-forming and Nonfiber-forming Chapers Striker, R.T., et al., "Stable Fiber-forming and Nonfiber-forming Chapers Striker, R.T., et al., "Stable Fiber-forming and Nonfiber-forming Chapers Striker, R.T., et al., "Stable Fiber-forming and Nonfiber-forming Chapers Striker, R.T., et al., "Stable Fiber-forming Chapers Striker, R.T., et al., "Stable Fiber	
FOREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT DATE COUNTRY AL AM AN AO OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Stollar, V., "Togaviruses in Cultured Arthropod Cells," in The Togaviruse Biology, Structure, Replication, Schlesinger, R.W., ed., Academic Press, York, N.Y., pp.583-621 (1980) AS Strauss, J., and Strauss, E.G., "The Alphaviruses: Gene Expression, Replication, Microbiol. Rev. 58:491-562, American Society for Microbiol (1994) Striker, R.T., et al., "Stable Fiber-forming and Nonfiber-forming Chapers Striker, R.T., et al., "Stable Fiber-forming and Nonfiber-forming Chapers Striker, R.T., et al., "Stable Fiber-forming and Nonfiber-forming Chapers Striker, R.T., et al., "Stable Fiber-forming and Nonfiber-forming Chapers Striker, R.T., et al., "Stable Fiber-forming and Nonfiber-forming Chapers Striker, R.T., et al., "Stable Fiber-forming and Nonfiber-forming Chapers Striker, R.T., et al., "Stable Fiber-forming and Nonfiber-forming Chapers Striker, R.T., et al., "Stable Fiber-forming and Nonfiber-forming Chapers Striker, R.T., et al., "Stable Fiber-forming and Nonfiber-forming Chapers Striker, R.T., et al., "Stable Fiber-forming and Nonfiber-forming Chapers Striker, R.T., et al., "Stable Fiber-forming and Nonfiber-forming Chapers Striker, R.T., et al., "Stable Fiber-forming and Nonfiber-forming Chapers Striker, R.T., et al., "Stable Fiber-forming and Nonfiber-forming Chapers Striker, R.T., et al., "Stable Fiber-forming and Nonfiber-forming Chapers Striker, R.T., et al., "Stable Fiber-forming Chapers Strik	
EXAMINER INITIAL DOCUMENT NUMBER COUNTRY CLASS SUBCLASS TRICLASS AL AM AM AN AN AN AN AN AN AN Straight Structure, Replication, Schlesinger, R.W., ed., Academic Press, York, N.Y., pp.583-621 (1980) AS 65 Straight, W., "Togaviruses in Cultured Arthropod Cells," in The Togaviruse Hollowing Straight, N.Y., pp.583-621 (1980) Straight, R.T., at al., "Stable Fiber-forming and Nonfiber-forming Chaper Submit Complexes in Dilux Riccasis W. J. Biol. Chap. 20012233 10220.	
AL OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Stollar, V., "Togaviruses in Cultured Arthropod Cells," in The Togaviruse, Biology, Structure, Replication, Schlesinger, R.W., ed., Academic Press, York, N.Y., pp.583-621 (1980) Strauss, J., and Strauss, E.G., "The Alphaviruses: Gene Expression, Replication, Schlesinger, R.W., ed., Academic Press, York, N.Y., pp.583-621 (1980) Strauss, J., and Strauss, E.G., "The Alphaviruses: Gene Expression, Replication, Schlesinger, R.W., ed., Academic Press, York, N.Y., pp.583-621 (1980) Strauss, J., and Strauss, E.G., "The Alphaviruses: Gene Expression, Replication, Schlesinger, R.W., ed., Academic Press, York, N.Y., pp.583-621 (1980)	
AN AD OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Stollar, V., "Togaviruses in Cultured Arthropod Cells," in The Togaviruse Biology, Structure, Replication, Schlesinger, R.W., ed., Academic Press, York, N.Y., pp.583-621 (1980) Strauss, J., and Strauss, E.G., "The Alphaviruses: Gene Expression, Replication, and Evolution," Microbiol. Rev. 58:491-562, American Society for Microbiol (1994) Striker, R.T., et al., "Stable Fiber-forming and Nonfiber-forming Chapers Submit Completes in Pilots Picerseis H. J. Biol. Chap. 260, 1233, 12330.	ANSLATION
AN AD OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Stollar, V., "Togaviruses in Cultured Arthropod Cells," in The Togaviruse Biology, Structure, Replication, Schlesinger, R.W., ed., Academic Press, York, N.Y., pp.583-621 (1980) AS Strauss, J., and Strauss, E.G., "The Alphaviruses: Gene Expression, Replication," Microbiol. Rev. 58:491-562, American Society for Microbio (1994) Striker, R.T., et al., "Stable Fiber-forming and Nonfiber-forming Chapers Submit Completes in Pillur Ricepped " I. Piell Chap 260.12333 12330 (1994)	Ye N
AN AO OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Stollar, V., "Togaviruses in Cultured Arthropod Cells," in The Togaviruse Biology, Structure, Replication, Schlesinger, R.W., ed., Academic Press, York, N.Y., pp.583-621 (1980) Strauss, J., and Strauss, E.G., "The Alphaviruses: Gene Expression, Repliand Evolution," Microbiol. Rev. 58:491-562, American Society for Microbiol (1994) Striker, R.T., et al., "Stable Fiber-forming and Nonfiber-forming Chapers Submit Complexes in Pilus Riognosis " J Prior Cham 200-1233 12320 (1992)	Ye N
OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Stollar, V., "Togaviruses in Cultured Arthropod Cells," in The Togaviruse Biology, Structure, Replication, Schlesinger, R.W., ed., Academic Press, York, N.Y., pp.583-621 (1980) Strauss, J., and Strauss, E.G., "The Alphaviruses: Gene Expression, Replication," Microbiol. Rev. 58:491-562, American Society for Microbiol (1994) Striker, R.T., et al., "Stable Fiber-forming and Nonfiber-forming Chapers Subunit Completes in Pilus Riccorcia " J. Riol Chap. 260:12223 12220 1	Ye:
OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Stollar, V., "Togaviruses in Cultured Arthropod Cells," in The Togaviruse Biology, Structure, Replication, Schlesinger, R.W., ed., Academic Press, York, N.Y., pp.583-621 (1980) Strauss, J., and Strauss, E.G., "The Alphaviruses: Gene Expression, Replicand Evolution," Microbiol. Rev. 58:491-562, American Society for Microbiol (1994) Striker, R.T., et al., "Stable Fiber-forming and Nonfiber-forming Chapers Subunit Complexes in Pillus Picerposis " J. Pick. Chap. 260:13333 12339	Ye N
Stollar, V., "Togaviruses in Cultured Arthropod Cells," in The Togaviruse Biology, Structure, Replication, Schlesinger, R.W., ed., Academic Press, York, N.Y., pp.583-621 (1980) Strauss, J., and Strauss, E.G., "The Alphaviruses: Gene Expression, Replicand Evolution," Microbiol. Rev. 58:491-562, American Society for Microbiol (1994) Striker, R.T., et al., "Stable Fiber-forming and Nonfiber-forming Chapered Subunit Complexes in Pilus Biogeopesis " J. Biol. Chem. 260:12323 12329	Yes No
AR 65 Biology, Structure, Replication, Schlesinger, R.W., ed., Academic Press, York, N.Y., pp.583-621 (1980) Strauss, J., and Strauss, E.G., "The Alphaviruses: Gene Expression, Repl: and Evolution," Microbiol. Rev. 58:491-562, American Society for Microbio (1994) Striker, R.T., et al., "Stable Fiber-forming and Nonfiber-forming Chapered Subunit Complexes in Pilus Biogenesis " J. Biol. Chap. 268:12223 12229	
and Evolution, " Microbiol. Rev. 58:491-562, American Society for Microbio (1994) Striker, R.T., et al., "Stable Fiber-forming and Nonfiber-forming Chapero	es. Inc. New
Subunit Compleyes in Dilus Biogenesis H 7 Biol Chem 200,12222 12220 5	
AT 65 American Society for Biochemistry and Molecular Biology, Inc. (1994)	
EXAMINER DATE CONSIDERED	



ATTY. DOCKET NO. 1700.0300001/BJD/SJE APPLICATION NO. 10/622,064

APPLICANT

BACHMANN et al.

						BACHMANN et al.				
<u>IN</u>	FORMATIO	N DIS	CLOSURE STA	ATEMENT		FILING DATE July 18, 2003		GROUP 1645		
				v.s.	PA'	TENT DOCUMENTS				
EXAMINER INITIAL	į.	DOCU	MENT BER	DATE	NA	ME	CLA	SS	SUB- CLASS	FILING DATE
	AA									
	AB									
	AC	<u> </u>			↓					
	AD	ļ			ļ					<u> </u>
	AE	ļ			-					
	AF				-		_			
	AG				-		+			ļ
	HA	<u> </u>			+-	· · · · · · · · · · · · · · · · · · ·	+			
	'AI			·	+		+			
	AJ	╅			+		+	-		
	AK	<u> </u>							<u> </u>	
		Τ		FOREIG	GN P	ATENT DOCUMENTS	1	<u>.</u>	T	Τ
EXAMINER INITIAL		DOCU NUMI	JMENT BER	DATE	cc	OUNTRY	CLA	ss	SUB- CLASS	TRANSLATION
	AL									Yes No
	AM				\perp					Yes No
	AN					·				Yes No
	AO									Yes No
	AP									Yes No
			OTHER (Inc.	luding Author,	, Ti	tle, Date, Pertinent Pag	es, e	etc.)	<u> </u>	
	AR	<u>66</u>	models wi	th Alzheimer o	dise	al., "Two amyloid precureses-like pathology," Proceedings (1997)	csor	protei atl. A	in transge Acad. Sci.	nic mouse <i>USA</i>
	AS	<u>66</u>	Sun, HW., et al., "Crystal structure at the 2.6-Å resolution of human macrophage migration inhibitory factor," <i>Proc. Natl. Acad. Sci. USA</i> 93:5191-5196, National Academy Press (1996)							
	AT	<u>66</u>		rejection," T		erleukin-17 antagonism ir Splantation 72:348-350, I				
EXAMINER	· I	l	L				DATE	CONSI	DERED	
										

OIP	E JOJS	(بیا									
NOV 1.	1 7000	<u>5</u>						р	age 67 of 129		
SATENT & TI	MARY	7		-	ATTY. DOCKET NO. 1700.0300001/BJD						
W 8 T	RADEF	ORM P	TO-1449		APPLICANT BACHMANN et al.						
INFO	RMATIO	N DIS	CLOSURE STA	TEMENT	FILING DATE July 18, 2003	FILING DATE GROUP					
				т с	PATENT DOCUMENTS		1				
EXAMINER	T	T		T 0.3.	FAIENT DOCUMENTS	1		1	T		
INITIAL		DOCU NUMI	JMENT BER	DATE	NAME	CI	ASS	SUB- CLASS	FILING DATE		
	AA										
- <u></u>	AB	↓									
	AC	↓									
	AD	1						<u> </u>			
	AE										
	AF							<u> </u>	ļ		
	AG							<u> </u>			
	AH										
	AI	-	,								
	AJ	-	<u>9 </u>								
	AK	<u>.</u>		L	<u> </u>				L		
		-		FOREI	GN PATENT DOCUMENTS						
EXAMINER INITIAL		DOCUMENT NUMBER		DATE	COUNTRY	CI	ASS	SUB- CLASS	TRANSLATION		
	AL								Yes No		
	AM			_					Yes No		
	AN								Yes No		
	AO								Yes No		
	AP								Yes		
	AF		OTHER (Inc.)	uding Author	, Title, Date, Perti	nent Pages	etc)		No.		
	AR	<u>67</u>	Tanimori, H., et al., "Enzyme immunoassay of neocarzinostatin using β-galactosidase as label," <i>J. Pharm. Dyn.</i> 4:812-819, Pharmaceutical Society of Japan (1981)								
	AS	<u>67</u>	Role for 1	Endogenous Eo	et al., "Chemokine-induced Eosinophil Recruitment. Evidence of a ous Eotaxin in an In Vivo Allergy Model in Mouse Skin," <i>J. Clin.</i> -1666, The American Society for Clinical Investigation, Inc.						
	АТ	67 /	Tewari, R., et al., "Neutrophil Activation by Nascent FimH Subunits of Type I Fimbriae Purified from the Periplasm of Escherichia coli," J. Biol. Chem. 268:3009-3015, The American Society for Biochemistry and Molecular Biology, Inc (1993)								
EXAMINER						DAT	E CONS	IDERED	,		



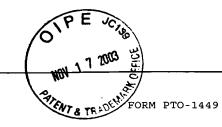
ATTY. DOCKET NO. 1700.0300001/BJD/SJE

APPLICATION NO. 10/622,064

APPLICANT

4				BACHMANN et al.						
. <u>INF</u>	ORMATION	DISCLOSURE	STATEMENT	FILING DATE July 18, 2003						
			Ţ.	S. PATENT DOCUMENTS						
XAMINER NITIAL		DOCUMENT NUMBER	DATE	NAME	CLA	SS SUB- CLASS	FILING DATE			
	AA									
	AB						_			
	AC									
	AD									
	AE									
	AF									
	AG									
	AH	ļ								
	AI									
	AJ									
	AK	<u> </u>								
			FORE	GIGN PATENT DOCUMENTS						
XAMINER NITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLA	SS SUB- CLASS	TRANSLATION			
	AL						Ye N			
	AM					-	Ye N			
	AN						Ye.			
	AO						· Ye			
	AP						Ye N			
	 	OTHER (Including Autho	or, Title, Date, Pert	inent Pages, e	tc.)	,			
	Teunissen, M.B.M., et al., "Interleukin-17 and Interferon-γ Synergize i Enhancement of Proinflammatory Cytokine Production by Human Keratinocyt Invest. Dermatol. 111:645-649, The Society for Investigative Dermatolog (1998)									
Thanassi, D.G., et al., "The PapC usher forms an oligomeric char for pilus biogenesis across the outer membrane," Proc. Natl. Aca 95:3146-3151, National Academy Press (1998)										
	АТ	ER Defici	De Togni, P., et al., "Abnormal Development of Peripheral Lymphoid Organs in Mice Deficient in Lymphotoxin," Science 264:703-707, American Association for the Advancement of Science (1994)							
XAMINER		k			DATE	CONSIDERED				

NOV 1 7 2003 32						ATTY. DOCKET NO.			ICATION NO	Page 69 of 12 D.	
	ENT & TRA	ORM PTO-	1449		—	00.0300001/BJ	D/SJE	10/6	22,064		
						PLICANT CHMANN et al.					
INI	ORMATION	DISCLO	SURE STA	TEMENT		FILING DATE GROUP July 18, 2003 1645					
			 	σ,	<u></u>	NT DOCUMENTS		1 20 2	<u> </u>		
EXAMINER INITIAL	DOCUMENT NUMBER			DATE		NAME		CLASS	SUB- CLASS	FILING DATE	
	AA										
	AB										
	AC	ļ									
	AD										
	AE AF						· ·				
	AG	1									
	АН						•				
	AI										
	AJ										
	AK										
EXAMINER INITIAL	DOCUMENT NUMBER		DATE COUN		TENT DOCUMENTS	•	CLASS		TRANSLATION		
		Ī								Ye	
	AL	 								Ye	
	AM	ļ								N	
	AN									Ye N	
										· Ye:	
	AO	<u> </u>					-			No.	
	AP									No	
	OTHER (Including Author, Title, Date, Pertinent Pages, etc.)										
	AR /	Topchieva, I., and Karezin, K., "Self-Assembled Supramolecular Micellar Structures Based on Non-ionic Surfactants and Cyclodextrins," J. Colloid Interface Sci. 213:29-35, Academic Press (1999)									
	AS /	<u>69</u> di								ot-and-mouth Science, Ltd.	
	AT /					articles of he				for foreign	
EXAMINER							T.	DATE CONS	STOPPED	 _	



	APPLICATION NO.
1700.0300001/BJD/SJE	10/622,064
APPLICANT BACHMANN et al.	
211011111111111111111111111111111111111	
FILING DATE	GROUP

INFORMATION DISCLOSURE STATEMENT July 18, 2003 1645 U.S. PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT DATE NAME CLASS SUB-FILING DATE NUMBER CLASS AΑ AB AC AD ΑE AF AG AΗ ΑI АJ ΑK FOREIGN PATENT DOCUMENTS EXAMINER DOCUMENT DATE COUNTRY CLASS SUB-TRANSLATION INITIAL NUMBER CLASS ALNo Yes AM No Yes ANNo Yes ΑO No Yes No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Vicari, A.P., et al., "Antitumor Effects of the Mouse Chemokine 6Ckine/SLC AR <u>70</u> Through Angiostatic and Immunological Mechanisms," J. Immunol. 165:1992-2000, The American Association of Immunologists (August 2000) Visintin, M. et al., "Selection of antibodies for intracellular function using a two-hybrid in vivo system," Proc. Natl. Acad. Sci. USA 96:11723-11728, National AS <u>70</u> Academy Press (1999) Walse, B., et al., "Transferred nuclear Overhauser effect spectroscopy study of a peptide from the PapG pilus subunit bound by the Escherichia coli PapD AΤ <u>70</u> chaperone, " FEBS Lett. 412:115-120, Elsevier Science B.V. (1997) DATE CONSIDERED EXAMINER

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

1

Page 71 of 129

/	OLD E 10,00	
	HOV 7 7 ZOUS	A OFFICE
	TANT & TRADEM	7

FORM PTO-1449

ATTY. DOCKET NO. 1700.0300001/BJD/SJE	APPLICATION NO. 10/622,064
APPLICANT BACHMANN et al.	
FILING DATE	GROUP

INFORMATION DISCLOSURE STATEMENT 1645 July 18, 2003 U.S. PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT DATE NAME CLASS SUB-FILING DATE NUMBER CLASS AΑ AB AC ΑD ΑE AF AG AΗ ΑI ДJ ΑK FOREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT DATE COUNTRY CLASS SUB-TRANSLATION NUMBER CLASS Yes No Yes AM No Yes AN No Yes AO No Yes No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Warnes, A., et al., "Expression of the measles virus nucleoprotein gene in Escherichia coli and assembly of nucleocapsid-like structures, " Gene 160:173-178, AR <u>71</u> Elsevier Science B.V. (1995) Watson, E., et al., "Structure determination of the intact major sialylated oligosaccharide chains of recombinant human erythropoietin expressed in Chinese AS <u>71</u> hamster ovary cells, " Glycobiology 4:227-237, Oxford University Press (1994) Wei, Y.Q., et al., "Immunotherapy of tumors with xenogeneic endothelial cells as a vaccine," Nat. Med. 6:1160-1166, Nature Publishing Company (October 2000) ΑT <u>71</u> EXAMINER DATE CONSIDERED

Page 72 of 129

PE JC10	
77 7000	(, ₀₅ 20)
/ MOA	(
CATENT & TRADE	7
	F

FORM PTO-1449

ATTY. DOCKET NO. 1700.0300001/BJD/SJE

APPLICATION NO. 10/622,064

APPLICANT

BACHMANN et al. FILING DATE GROUP INFORMATION DISCLOSURE STATEMENT July 18, 2003 1645 U.S. PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT DATE NAME CLASS SUB-FILING DATE NUMBER CLASS AA AB AC AD ΑE AF AG AΗ ΑI ΑJ ΑK FOREIGN PATENT DOCUMENTS EXAMINER DOCUMENT DATE COUNTRY CLASS SUB-TNTTTAL TRANSLATION NUMBER CLASS Yes AT. No Yes ΑM No Yes AN No Yes ΑO No Yes AΡ No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Witherell, G.W., and Uhlenbeck, O.C., "Specific RNA Binding by $Q\beta$ Coat Protein," Biochemistry 28:71-76, American Chemical Society (1989) AR <u>72</u> Wong, C.K., et al., "Elevation of proinflammatory cytosine (IL-18, IL-17, IL-12) and Th2 cytokine (IL-4) concentrations in patients with systemic lupus <u>72</u> AS erythematosus," Lupus 9:589-593, Macmillan Publishers Ltd. (2000) Wu, Q., et al. "Reversal of Spontaneous Autoimmune Insulitis in Nonobese Diabetic Mice by Soluble Lymphotoxin Receptor, " J. Exp. Med. 193:1327-1332, The AT <u>72</u> Rockefeller University Press (June 2001) EXAMINER DATE CONSIDERED

OIPE	7 700 13 18 18 18 18 18 18 18 18 18 18 18 18 18							Page 73 of 129
May	75			ATTY. DOCKET NO 1700.0300001/BJ		APPLIC 10/622	ATION N	
PATENT	& TRADE	FORM PTO-1449		APPLICANT BACHMANN et al.		10/622	, 064	
IN	FORMATIO	N DISCLOSURE	STATEMENT	FILING DATE July 18, 2003		GROUP 1645		
			U	.s. patent documents				
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CI		SUB- CLASS	FILING DATE
	AA							
	AB							
	AC							
	AD							
	AE AF	-						
	AG	 						
	AH	1						
	AI							
,	AJ							
	AK							
			FO	REIGN PATENT DOCUMENTS				
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CI	.ASS	SUB- CLASS	TRANSLATION
	AL							Yes No
	АМ							Yes No
	AN							Yes No
	AO							Yes No
	AP							Yes No
		OTHER (1	ncluding Aut	hor, Title, Date, Pert	tinent Pages,	etc.)		
	AR	derived	d Bone Sialop	"Structural Character rotein," J. Biol. Che d Molecular Biology,	m. <i>276</i> :36839-			
	AS	73 Wynne, Capsid	S.A., et al. ," Mol. Cell	, "The Crystal Structo 3:771-780, Cell Press	ure of the Hu (1999)	man Hepa	atitis E	3 Virus

EXAMINER DATE CONSIDERED

Advancement of Science (1989)

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Xiong, C., et al., "Sindbis Virus: An Efficient, Broad Host Range Vector for Gene Expression in Animal Cells," $Science\ 243:1188-1191$, American Association for the

AΤ

/<u>73</u>



FORM PTO-1449

ADDITONIO	
1700.0300001/BJD/SJE	10/622,064
	APPLICATION NO.

APPLICANT

BACHMANN et al.

INF	ORMATION	DISCLOSURE S	TATEMENT	FILING DATE	GROU	P	
 _	<u></u> -	***		July 18, 2003	1645		
		f	<u> </u>	S. PATENT DOCUMENTS	<u> </u>		
EXAMINER INITIAL	:	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA						
	AB						
	AC						
	AD	-				-	
	AE					-	-
	AF		-			+	
	AG AH		· -				
	AI		- 			1	
	AJ					 	
	AK						
	•	<u> </u>	FORE	IGN PATENT DOCUMENTS	,	-	
EXAMINER NITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	7.7						Ye
	AL						No.
	AM					 	Yes
	AN						Yes
	AO						Yes
	AP	<u> </u>		or, Title, Date, Pertinen		<u> </u>	No
	AR	Yao, Z., 74 Immunol.	et al., "Hur 155:5483-548	man IL-17: A Novel Cytoki 36, The American Associat	ne Derived fro	om T Cells ogists (1	," <i>J</i> . 995)
	AS			lecular characterization 9:794-800, Academic Press		nterleuki	n (IL)-17
	АТ	$\alpha, "J. E$, et al., "En Biol. Chem. 2 or Biology, In	pitopic Regions for Antib 70:19509-19515, The Ameri nc. (1995)	oodies against can Society fo	Tumor Nec	rosis Factor istry and



ATTY. DOCKET NO. APPLICATION NO.

ENT & TRADE					1700.0300001/BJD/SJE		10/622	2,064		
a in	F	ORM P	TO-1449		APPLICANT BACHMANN et al.					
INFO	RMATION	DISC	CLOSURE STA	TEMENT	FILING DATE July 18, 2003 GROUP 1645					
				v.s.	PATENT DOCUMENTS					
EXAMINER INITIAL		DOCU NUMB	MENT EER	DATE	NAME	CLA	.ss	SUB- CLASS	FILING DATE	
	AA									
	AB									
	AC									
	AD					<u> </u>				
	AE									
	AF		_			<u> </u>				
	AG					 				
	AH	ļ								
	AI					-				
	ΑJ									
	AK									
				FOREIG	N PATENT DOCUMENTS				T	
EXAMINER INITIAL		DOCU NUMB	MENT BER	DATE	COUNTRY	CLA	ss.	SUB- CLASS	TRANSLATION	
	AL								Yes No	
	AM					:			Yes No	
	AN					!			Yes No	
	AO				***				; Yes	
	AP								Yes No	
		C	THER (Incl	uding Author,	Title, Date, Pertinent Pag	res, e	etc.)	-		
	AR	<u>75</u>	Yuan, T-T., et al., "Subtype-Independent Immature Secretion and Subtype-Dependent Replication Deficiency of a Highly Frequent, Naturally Occurring Mutation of Human Hepatitis B Virus Core Antigen," J. Virol. 73:10122-10128, American Society for Microbiology (1999)							
	AS	<u>75</u>	Cells Usin	Zang, M., et al., "Production of Recombinant Proteins in Chinese Hamster Ovary Cells Using A Protein-Free Cell Culture Medium," <i>Bio/Technology 13</i> :389-392, Nature Publishing Company (1995)						
	АТ	<u>75</u>	Protein Ar	e Not Essentia Their Stabilia	, D.N., "Cys Residues of that all for the Assembly of Viralty," <i>J. Virol. 66</i> :5393-5398	al Co	re Par	ticles bu	t Can	
EXAMINER	<u></u>		· · · · · · · · · · · · · · · · · · ·			DATE	CONSI	DERED		

Page 76 of 129

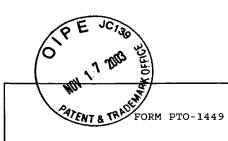
OPE	10136 TO 15134	
PATENT	& TRAGE PTO-144	9

communication to Applicant.

ATTY. DOCKET NO. 1700.0300001/BJD/SJE APPLICATION NO. 10/622,064

APPLICANT

					BACHMANN et al.				
INFO	RMATION	1 DIS	CLOSURE STA	TEMENT	FILING DATE July 18, 2003		GROUP 1645		
				U.S.	PATENT DOCUMENTS				
EXAMINER		I				\top		T	
INITIAL		DOCT NUMI	UMENT BER	DATE	NAME	CL	ASS	SUB- CLASS	FILING DATE
	AA							<u> </u>	
	AB								<u> </u>
	AC			<u> </u>					
	AD	↓						<u> </u>	ļ
	AE	 						<u> </u>	
	AF							<u> </u>	
	AG	├				+		<u> </u>	
	AH	—				$+\!\!-$			_
	AI	 				+			
	AJ	┼		<u> </u>				ļ	<u> </u>
	AK								
				FOREIG	N PATENT DOCUMENTS			Т	
EXAMINER INITIAL		DOCI	UMENT BER	DATE	COUNTRY	CL	ASS	SUB- CLASS	TRANSLATION
	AL								Yes No
	AM								Yes No
	AN								Yes No
									Yes
	AO		<u> </u>			+		 	No Yes
	AP	┸			<u></u>	Ш_			No
			OTHER (Incl	uding Author,	Title, Date, Pertinent Pa	ges,	etc.)		
	AR	<u>76</u>	Induced by	y Allergen Cha	"Murine Eotaxin-2: A Cons allenge and IL-4 Overexpres ociation of Immunologists (sion,	," J. 1	Immunol. 1	
	AS	<u>76</u>	IL-15 Trig	Ziolkowska, M., et al., "High Levels of IL-17 in Rheumatoid Arthritis Patients: IL-15 Triggers In Vitro IL-17 Production Via Cyclosporin A-Sensitive Mechanism," J. Immunol. 164:2832-2838, The American Association of Immunologists (March 2000)					
	AT	<u>76</u>			. "Oral anti-IgE immunizati l. 30:128-135, Wiley-Vch Ve				
EXAMINER						DATE	CONSI	DERED	
					ther or not citation is in not considered. Include				



communication to Applicant.

ATTY. DOCKET NO. 1700.0300001/BJD/SJE

APPLICATION NO. 10/622,064

APPLICANT

BACHMANN et al.

INFO	RMATIO	N DIS	CLOSURE STA	TEMENT	FILING DATE GROUP July 18, 2003 1645						
				U.S.	PATENT DOCUMENTS						
EXAMINER INITIAL		DOC	UMENT BER	DATE	NAME	CL	ASS	SUB- CLASS	FILING DATE		
	AA										
	AB										
	AC					↓_					
	AD	<u> </u>				4					
	AE	-							· · · · · · · · · · · · · · · · · · ·		
<u> </u>	AF	-									
	AG	-				 					
	AH	╁──				-		<u> </u>			
	AI	 				+					
	AJ AK	+				+					
	IAK	1		POPPIG	N PATENT DOCUMENTS			I			
EXAMINER	1	1		FOREIG	N PATENT DOCUMENTS	<u> </u>		<u> </u>	<u>l</u>		
INITIAL		DOC'	UMENT BER	DATE	COUNTRY	CI	ASS	SUB- CLASS	TRANSLATION		
	AL								Yes No		
	AM								Yes		
	AM	+				<u> </u>			No Yes		
	AN					-			No Yes		
	AO	\vdash				+			No Yes		
	AP								No		
			OTHER (Incl	uding Author,	Title, Date, Pertinent Pag	res,	etc.)				
	AR	<u>77</u>	epitopes e	Fehr, T., et al., "T cell-independent type I antibody response against B cell epitopes expressed repetitively on recombinant virus particles," Proc. Natl. Acad. Sci. USA 95:9477-9481, National Academy Press (1998)							
	AS	<u>77</u>		Frenkel, D., et al., "Generation of auto-antibodies towards Alzheimer's disease vaccination," <i>Vaccine 19</i> :2615-2619, Elsevier Science, Ltd. (March 2001)							
	AT /	<u>77</u>	Internation	International Search Report for International Application No. PCT/IB02/00166 lailed on October 29, 2002. European Patent Office, Netherlands (2002)							
EXAMINER						DATE	CONSI	DERED			
EXAMINER: I line through	nitial citati	if r	eference co f not in co	onsidered, whe	ther or not citation is in not considered. Include o	conf opy	ormanc of thi	e with MP	EP 609. Draw th next		



FORM PTO-1449

ATTY. DOCKET NO. 1700.0300001/BJD/SJE APPLICATION NO. 10/622,064

APPLICANT

BACHMANN et al.

INFO)RMATIO	N DISC	CLOSURE STA	ATEMENT	FILING DATE July 18, 2003		GROUP 1645	?		
				U.S.	PATENT DOCUMENTS					
EXAMINER INITIAL		DOCU	UMENT BER	DATE	NAME		CLASS	SUB- CLASS	FILING DATE	
	AA									
	АВ									
	AC							<u> </u>		
	AD	 								
	AE	↓						<u> </u>	,	
	AF							<u> </u>		
	AG	↓		<u> </u>				<u> </u>		
	AH	—						<u> </u>		
	AI	 								
	AJ	 		<u> </u>	<u></u>					
	AK	<u> </u>		<u> </u>				<u> </u>		
		· —		FOREIG	N PATENT DOCUMENTS					
EXAMINER INITIAL		DOCU	UMENT BER	DATE	COUNTRY		CLASS	SUB- CLASS	TRANSLATION	
	AL					İ			Yes No	
	1,								Yes	
	AM	+							No Yes	
	AN	+-							No	
	AO								Yes No	
	AP								Yes No	
		(OTHER (Inc)	luding Author,	Title, Date, Pertine	nt Pages	, etc.)			
•	AR	<u>78</u>			eport for Internationa 2002. European Patent					
	AS	<u>78</u>	Kozlovska Epitopes,	Kozlovska, T.M., et al., "RNA Phage Qβ Coat Protein as a Carrier for Foreign Epitopes," <i>Intervirology 39</i> :9-15, S. Karger AG (1996)						
	AT	<u>78</u>	surface of		Native display of comp virus capsids," <i>Proc</i> . iences (1999)					
EXAMINER						DA	ATE CONS	IDERED		

Page 79 of 129

OFE JOIGE	OFFICE
MAN J.	A W
CATENT & TRACE	Z?
	ПО1

FORM PTO-1449

ATTY. DOCKET NO. 1700.0300001/BJD/SJE APPLICATION NO. 10/622,064

APPLICANT

BACHMANN et al.

INFORMATION DISCLOSURE STATEMENT FILING DATE GROUP July 18, 2003 1645 U.S. PATENT DOCUMENTS EXAMINER DOCUMENT DATE INITIAL NAME CLASS SUB-FILING DATE NUMBER CLASS AA AB AC ΑD ΑE ΑF AG AΗ ΑI ΑJ ·AK FOREIGN PATENT DOCUMENTS EXAMINER DOCUMENT DATE COUNTRY CLASS SUB-TRANSLATION INITIAL NUMBER CLASS Yes ALNo Yes AΜ No Yes AN No Yes ΑO No Yes No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Nieland, J.D., et al., "Chimeric Papillomavirus Virus-like Particles Induce a ΑR <u>79</u> Murine Self-Antigen-Specific Protective and Therapeutic Antitumor Immune Response, " J. Cell. Biochem. 73:145-152, Wiley-Liss, Inc. (1999) Slepushkin, V.A., et al., "Protection of mice against influenza A virus challenge AS by vaccination with baculovirus-expressed M2 protein, " Vaccine 13:1399-1402, <u>79</u> Elsevier Science Ltd. (1995). Vasiljeva, I., et al., "Mosaic Q β coats as a new presentation model," FEBS Lett. 431:7-11, Federation of European Biochemical Societies (1998). AΤ <u>79</u> EXAMINER DATE CONSIDERED

Page 80 of 129



FORM PTO-1449

ATTY. DOCKET NO.
1700.0300001/BJD/SJE

APPLICATION NO.
10/622,064

APPLICANT
BACHMANN et al.

FILING DATE

GROUP

INF	ORMATIO	N DIS	CLOSURE ST	ATEMENT		FILING DATE July 18, 2003		GROUP 1645		
				v.s.	. Р	ATENT DOCUMENTS				
EXAMINER INITIAL		DOCI	UMENT BER	DATE]	NAME	CL	ASS	SUB- CLASS	FILING DATE
	AA									
	AB								-	
	AC									
	AD	_			_		ļ			
	AE	<u> </u>			4					
	AF	 			4		+-			
	AG				+		-			
	AH				+		+			
	AI	+			+		+		<u> </u>	
	AJ	-			+		╫			<u> </u>
	AK		•							<u> </u>
EXAMINER	T	I	;	FOREI	GN	PATENT DOCUMENTS	Т			
INITIAL		DOC NUM	UMENT BER	DATE	'	COUNTRY	CL	ASS	SUB- CLASS	TRANSLATION
,	AL	<u>_</u>					_			Yes No
	АМ	 			\downarrow		\downarrow			Yes No
	AN				4					Yes No
	AO			1	1		-			Yes No
	AP									Yes No
			OTHER (Inc	luding Author	, '	Fitle, Date, Pertinent Pag	jes,	etc.)		
	AR	80				ort for International App European Patent Office,				02/00166,
	Baba, T.W., et al., "Pathogenicity of Live, Attenuated SIV After Mucosal Infection of Neonatal Macaques," Science 267:1820-1825, American Association for the Advancement of Science (1995)									
	AT	80	virus-li	ce particles f	or	"Dendritic cells process class I presentation to -2600, VCH Verlagsgesells	CD8+	cytoto:	xic T lym	eins and phocytes,"
EXAMINER		L	I				DATE	CONSI	DERED	



EXAMINER

FORM PTO-1449

ATTY. DOCKET NO. 1700.0300001/BJD/SJE 10/622,064

APPLICANT BACHMANN et al.

DATE CONSIDERED

INFORMATION DISCLOSURE STATEMENT FILING DATE GROUP July 18, 2003 1645 U.S. PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER DATE NAME CLASS SUB-CLASS FILING DATE AΑ AB AC AD ΑE AF AG AΗ ΑI ΑĴ ΑK FOREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLATION AI.4 No Yes AM4 No Yes AN4 No Yes A04 No Yes ΔP4 No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Boorsma, M., et al., "A temperature-regulated replicon-based DNA expression system," Nat. Biotechnol. 18:429-432, Nature America, Inc. (April 2000) AR <u>81</u> Borisova, G., et al., "Hybrid Hepatitis B Virus Nucleocapsid Bearing an Immunodominant Region from Hepatitis B Virus Surface Antigen, " J. Virol. AS 81 67:3696-3701, American Society for Microbiology (1993) Cesareni, G., "Peptide display on filamentous phage capsids: A new powerful AT <u>81</u> tool to study protein-ligand interaction, " FEBS Lett. 307:66-70, Elsevier Science Publishers B.V. (1992)



FORM PTO-1449

ATTY. DOCKET NO. 1700.0300001/BJD/SJE APPLICATION NO. 10/622,064

APPLICANT

BACHMANN et al.

INFORMATION DISCLOSURE STATEMENT

FILING DATE GROUP July 18, 2003 1645

U.S. PATENT DOCUMENTS								
EXAMINER INITIAL		DOCU	MENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA							
	AB							
	AC							
	AD							
_	AE							
	AF							
	AG					<u></u>		
	AH	ļ				ļ		
_	AI					ļ		
	AJ	ļ						
	AK					<u> </u>	<u> </u>	
	· ·			FOREIGN PA	ATENT DOCUMENTS			
EXAMINER INITIAL		DOCUM	MENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL							Yes No
								Yes
	AM						<u></u>	No Yes
	AN							No
	AO							Yes No
	AP							Yes No
***		TO	HER (Including	Author, Tit	le, Date, Pertinent Pag	es, etc	.)	
	AR	82	Infected by H	uman Immunod t gp120 Subu	munological and Virolog eficiency Virus Type 1 nit Vaccines," <i>J. Virol</i> (1998)	while Pa	articipating	in Trials
	AS	Crameri, R. and Suter, M., "Display of biologically active proteins on the surface of filamentous phages: a cDNA cloning system for selection of functional gene products linked to the genetic information responsible for their production," Gene 137:69-75, Elsevier Science Publishers B.V. (1993)						
	Daniel, M.D., et al., "Protective Effects of a Live Attenuated SIV Vaccine with a Deletion in the nef Gene," Science 258:1938-1941, American Association for the Advancement of Science (1992)							
EXAMINER						DATE (CONSIDERED	
						<u> </u>		

Page 83 of 129



FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 1700.0300001/BJD/SJE									
APPLICANT BACHMANN et al.									
FILING DATE July 18, 2003	GROUP 1645								

U.S. PATENT DOCUMENTS									
EXAMINER INITIAL		DOCU	MENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE	
	AA								
	AB								
	AC								
	AD		-						
	AE								
	AF		•				!		
	AG								
	AH								
	ΑI		<u></u>						
	AJ								
	AK								
				FOREIGN PA	ATENT DOCUMENTS				
EXAMINER									
INITIAL	<u> </u>	DOCU	MENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
	AL	<u>.</u>						Yes No	
	AM							Yes No	
	1.					<u> </u>		Yes	
	AN	-				<u> </u>		No	
	AO		·					Yes No	
	AP		,					Yes No	
	•	OI	HER (Includin	g Author, Ti	tle, Date, Pertinent Pag	es, etc	:.)		
	OTHER (Including Author, Title, Date, Pertinent Pages, etc.) de la Cruz, V.F., et al., "Immunogenicity and Epitope Mapping of Foreign Sequences via Genetically Engineered Filamentous Phage," J. Biol. Chem. 263:4318-4322, The American Society for Biochemistry and Molecular Biology, Inc. (1988)								
	AS	Donnelly, J.J., et al., "DNA Vaccines," Annu. Rev. Immunol. 15:617-648, Annual Reviews, Inc. (1997)							
	Ebina, S., et al., "Chemical Modification of Bovine Pancreatic Trypsin Inhibitor for Single Site Coupling of Immunogenic Peptides for NMR Conformational Analysis," J. Biol. Chem. 264:7882-7888, The American Society for Biochemistry and Molecular Biology, Inc. (1989)								
EXAMINER						DATE	CONSIDERED		
									



FORM PTO-1449

ATTY. DOCKET NO. 1700.0300001/BJD/SJE 10/622,064

APPLICANT BACHMANN et al.

FILING DATE GROUP

					FILING DATE July 18, 2003		GROUP 1645		
				U.S. PAT	ENT DOCUMENTS				
EXAMINER INITIAL		DOCU	MENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE	
	AA								
	AB								
	AC								
	AD								
	AE								
	AF								
	AG								
	AH								
	AI								
<u>,,'</u>	AJ_	ļ		-					
	AK								
	1	1		FOREIGN PA	ATENT DOCUMENTS	T			
EXAMINER INITIAL		DOCU	MENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
	AL					:		Yes No	
	AM							Yes No	
	AN							Yes No	
	AO							Yes No	
	AP							Yes No	
	<u> </u>	OT	HER (Includin	g Author, Ti	tle, Date, Pertinent Pag	es, et	g.)		
	AR /	<u>84</u>	Esposito, G., epitope incordimensional Management in synthetic imm	, et al., "Co rporated in a NMR: Analysis munogens," En	onformational study of a multiple antigen peptics of the structural effectur. J. Biochem. 217:171-of European Biochemical	short de tem cts on 187, B	Pertussis to plate by CD a the activity lackwell Science	and two- y of	
	Förster, E., et al., "Natural and recombinant enzymatically active or inactive bee venom phospholipase A ₂ has the same potency to release histamine from basophils in patients with Hymenoptera allergy," J. Allergy Clin. Immunol. 95:1229-1235, Mosby-Year Book, Inc. (1995)								
	Frolov, I., et al., "Alphavirus-based expression vectors: Strategies and applications," Proc. Natl. Acad. Sci. USA 93:11371-11377, National Academy Press (1996)								
EXAMINER						DATE	CONSIDERED		

Page 85 of 129

PE JC/30
0, 1 2000
NOA ,
PATENT & TREST

Maria Later Transaction Control

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
1700.0300001/BJD/SJE

APPLICATION NO.
10/622,064

APPLICANT
BACHMANN et al.

FILING DATE

GROUP

July 18, 2003 1645										
U.S. PATENT DOCUMENTS										
EXAMINER INITIAL		DOCU	MENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE		
	AA									
	AB									
	AC									
	AD									
	AE	<u>L</u>				<u> </u>				
	AF	<u> </u>								
	AG	<u> </u>					<u> </u>			
	AH	<u> </u>				<u> </u>				
	AI	<u> </u>		<u> </u>						
	AJ	<u> </u>				<u> </u>				
	AK	<u> </u>				<u> </u>				
				FOREIGN PA	ATENT DOCUMENTS					
EXAMINER INITIAL		DOCU	MENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION		
	AL							Yes No		
	AM			-	·			Yes No		
	AN							Yes		
 				-				No Yes		
i	AO						 	No Yes		
	AP	Щ_						No		
ļ		OT	HER (Including	g Author, Tit	tle, Date, Pertinent Pag	jes, etc	:.)			
	AR	<u>85</u>			A protein particle vaccinol. 15:1280-1284, Nature					
	AS	<u>85</u>	antitumor imm	Greenstone, H.L., et al., "Chimeric paillomavirus virus-like particles elicit antitumor immunity against the E7 oncoprotein in an HPV16 tumor model," <i>Proc.</i> Natl. Acad. Sci. USA 95:1800-1805, National Academy Press (1998)						
	Hahn, C.S., et al., "Infectious Sindbis virus transient expression vectors for studying antigen processing and presentation," Proc. Natl. Acad. Sci. USA 89:2679-2683, National Academy Press (1992)									
EXAMINER						DATE (CONSIDERED			

Page 86 of 129

,	PE JC/46	
$\left(\begin{array}{c} 1 \\ 1 \end{array} \right)$	7 7 7003 E	
/	NU SERVE	
	ENT & TREE	

TRA	ATTY. DOCKET NO. 1700.0300001/BJD/SJE	APPLICATION NO. 10/622,064	
FORM PTO-1449	APPLICANT BACHMANN et al.		
INFORMATION DISCLOSURE STATEMENT	FILING DATE	GROUP	

1645 July 18, 2003 U.S. PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER DATE NAME CLASS SUB-CLASS FILING DATE AΑ AΒ AC ΑD ΑE AF AG AΗ ΑI ΑJ ΑK FOREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLATION Yes AT. No Yes No Yes AN No Yes AO No Ves AP No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Harding, C.V., and Song, R., "Phagocytic Processing of Exogenous Particulate AR 86 Antigens by Macrophages for Presentation by Class I MHC Molecules, " J. Immunol. 153:4925-4933, The American Association of Immunologists (1994) Hilleman, M.R., "Six decades of vaccine development - a personal history," Nat. AS <u>86</u> Med. Vaccine Suppl. 4:507-514 (May 1998) Hui, E. K-W. et al., "Hepatitis B viral core proteins with an N-terminal AT extension can assemble into core-like particles but cannot be enveloped, " J. 86 Gen. Virol. 80:2647-2659, Society for General Microbiology (1999) EXAMINER DATE CONSIDERED

Page 87 of 129



FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 1700.0300001/BJD/SJE	APPLICATION NO. 10/622,064
APPLICANT BACHMANN et al.	
FILING DATE July 18, 2003	GROUP 1645

U.S. PATENT DOCUMENTS											
EXAMINER INITIAL	ļ 	DOCU	MENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE			
	AA										
	AB										
	AC										
<u> </u>	AD										
	AE										
	AF										
	AG					<u> </u>					
	AH					ļ					
	AI					.					
	AJ										
	AK						<u> </u>				
				FOREIGN P	ATENT DOCUMENTS						
EXAMINER INITIAL		DOCU	MENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION			
	AL							Yes No			
	AM							Yes No			
	AN	-						Yes			
	AN			-				No Yes			
	AO							No			
	AP							Yes No			
		TO	HER (Includin	g Author, Ti	tle, Date, Pertinent Pa	ges, etc	:.)				
	AR	<u>87</u>	Library Disp	layed at High	nstruction, Exploitation n Density by Fusion to t n Chem. 378:517-521, Wal	he Majo	r Coat Prote	ein of			
	AS /	Iannolo, G., et al., "Modifying Filamentous Phage Capsid: Limits in the Size of the Major Capsid Protein," J. Mol. Biol. 248:835-844, Academic Press, Ltd. (1995)									
	Ikram, H., and Prince, A.M., "A method for coupling the Hepatitis B surface antigen to aldehyde-fixed erythrocytes for use in passive hemagglutination," J. Virol. Methods 2:269-275, Elsevier/North-Holland Biomedical Press (1981)										
EXAMINER						DATE	CONSIDERED				
Draw line th	EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.										

Marie Marie

Page 88 of 129



FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 1700.0300001/BJD/SJE	APPLICATION NO. 10/622,064
APPLICANT BACHMANN et al.	
FILING DATE July 18, 2003	GROUP 1645

				U.S. PAT	ENT DOCUMENTS				
EXAMINER									
INITIAL		DOCU	MENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE	
	AA								
	AB /								
	AC /						<u> </u>		
	AD ´						<u></u>		
	AE					ļ			
	AF								
	AG								
	AH								
	AI								
	AJ					į			
	AK	<u> </u>							
				FOREIGN P	ATENT DOCUMENTS				
EXAMINER INITIAL		DOCU	MENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
		ļ						Yes	
	AL	ļ				 		No	
	АМ							Yes No	
	AN							Yes No	
								Yes	
	AO							No Yes	
	AP							No	
		OT	HER (Includin	g Author, Ti	tle, Date, Pertinent Pag	es, etc	.)	_,	
	Kovacsovics-Bankowski, M., et al., "Efficient major histocompatibility complex class I presentation of exogenous antigen upon phagocytosis by macrophages," Proc. Natl. Acad. Sci. USA 90:4942-4946, National Academy Press (1993)								
	Lo, K. K-W., et al., "Surface-modified mutants of cytochrome P450cam: enzymatic properties and electrochemistry," FEBS Lett. 451:342-346, Elsevier Science B.V. on behalf of the Federation of European Biochemical Societies (1999)								
·	AT B8 Minenkova, O.O., et al., "Design of specific immunogens using filamentous phage as the carrier," Gene 128:85-88, Elsevier Science Publishers B.V. (1993)								
EXAMINER						DATE	CONSIDERED		
Draw line th	EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.								

Page 89 of 129



FORM PTO-1449

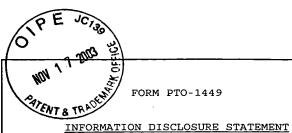
INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 1700.0300001/BJD/SJE	APPLICATION NO. 10/622,064					
APPLICANT BACHMANN et al.						
FILING DATE July 18, 2003	GROUP 1645					

U.S. PATENT DOCUMENTS										
EXAMINER INITIAL		DOCU	MENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE		
-	AA									
	AB					I				
	AC									
	AD									
	AE									
	AF									
	AG	<u> </u>								
	AH					<u> </u>				
	AI	ļ								
	AJ	<u> </u>								
	AK			L				<u> </u>		
				FOREIGN P	ATENT DOCUMENTS					
EXAMINER INITIAL		ροςΰ	MENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION		
	AL .							Yes No		
	AM							Yes No		
			· · · · · · · · · · · · · · · · · · ·					Yes		
	AN					<u> </u>		No Yes		
	AO	<u> </u>				 		No		
	AP				`	<u> </u>		Yes No		
		07	THER (Includin	g Author, Ti	tle, Date, Pertinent Pag	ges, etc	:.)			
	OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Neurath, A.R., et al., "Hepatitis B Virus surface antigen (HBsAg) as carrier for synthetic peptides having an attached hydrophobic tail," Mol. Immunol. 26:53-62, Pergamon Press (1989)									
	Perham, R.N., et al., "Engineering a peptide epitope display system on filamentous bacteriophage," FEMS Microbiol. Rev. 17:25-31, Elsevier Science Publishers on behalf of the Federation of European Microbiological Societies (1995)							r Science		
	Petrenko, V.A., et al., "A library of organic landscapes on filamentous phage, Protein Engin. 9:797-801, Oxford University Press (1996)									
EXAMINER	<u> </u>					DATE	CONSIDERED			
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with										

next communication to Applicant.

Page 90 of 129



FORM PTO-1449

ATTY. DOCKET NO. 1700.0300001/BJD/SJE	APPLICATION NO. 10/622,064
APPLICANT BACHMANN et al.	
FILING DATE July 18, 2003	GROUP

					Ouly 18, 2003				
				U.S. PAT	ENT DOCUMENTS				
EXAMINER									
INITIAL	 	DOCU	MENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE	
	AA					<u> </u>		 	
	AB AC	┼							
	AD				<u> </u>				
	AE	\dagger							
	AF	 			,	 			
	AG	一							
	АН								
	AI								
	AJ								
	AK		,						
		۲.		FOREIGN PA	ATENT DOCUMENTS				
EXAMINER		[
INITIAL	 	DOCU	MENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
	AL	<u> </u>				<u></u>		Yes No	
	AM							Yes No	
	AN				•			Yes No	
	AO							Yes No	
	AP							Yes	
	AP		Traludin	- Author Til	tit Data Dombinant Dag		<u></u>	No	
	OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Pumpens, P. and Grens, E., "Hepatitis B core particles as a universal display model: a structure-function basis for development," FEBS Lett. 442:1-6, Elsevier Science B.V. on behalf of the Federation of European Biochemical Societies (1999)								
	AS /	<u>90</u>	Quash, G., et al., "The preparation of latex particles with covalently bound polyamines IgG and measles agglutinins and their use in visual agglutination tests," J. Immunol. Methods 22:165-174, Elsevier/North-Holland Biomedical Press (1978)						
EXAMINER	AT 90 Raychaudhuri, S., and Rock, K.L., "Fully mobilizing host defense: Building better vaccines," Nat. Biotechnol. 16:1025-1031, Nature America, Inc. (1998)								
EXAMINER						DATE	CONSIDERED		

Page 91 of 129



next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
1700.0300001/BJD/SJE

APPLICATION NO.
10/622,064

APPLICANT
BACHMANN et al.

FILING DATE

GROUP

				July 18, 2003		1645			
U.S. PATENT DOCUMENTS									
EXAMINER INITIAL		DOCU	MENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE	
	AA								
	AB								
	AC								
	AD								
	AE								
	AF								
	AG								
	АН	<u> </u>				<u> </u>	<u> </u>		
	AI	↓	<u>. </u>	<u> </u>		<u> </u>	<u> </u>		
	AJ	<u> </u>		<u> </u>		<u> </u>			
	AK	<u> </u>							
		'	 	FOREIGN PA	ATENT DOCUMENTS	·			
EXAMINER INITIAL	1	DOC!	MENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
INTITAL		DOCC.	MENI MONDEX	DATE	COUNTRI	CIMOO	SUB-CHASS	Yes	
	AL	l	<u></u>			l		No No	
,								Yes	
	AM	—		 		 	1	No	
	AN	ļ						Yes No	
	AO							Yes No	
	AP							Yes No	
		TO	THER (Including	g Author, Ti	tle, Date, Pertinent Pag	res, etc	:.)		
	AR	<u>91</u>	Redfield, R.F	R., et al., " ency Virus (H	'Disseminated vaccinia in	n a mil	itary recrui		
	as	<u>91</u>		ibody," J. Im	lecular Basis for Nonana mmunol. 165:813-819, The				
	Sedlik, C., et al., "Recombinant parvovirus-like particles as an antigen carrier: A novel nonreplicative exogenous antigen to elicit protective antiviral cytotoxic T cells," Proc. Natl. Acad. Sci. USA 94:7503-7508, Nationa Academy Press (1997)								
EXAMINER			,			DATE	CONSIDERED		
EXAMINER: In Draw line the	EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with								



FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 1700.0300001/BJD/SJE	APPLICATION NO. 10/622,064
APPLICANT BACHMANN et al.	
FILING DATE	GROUP

Bully 10, 2003									
U.S. PATENT DOCUMENTS									
EXAMINER INITIAL		DOCU	MENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE	
	AA								
	AB								
	AC								
	AD								
	AE								
	AF								
	AG								
	AH	G.							
	AI								
,	AJ								
	AK								
				FOREIGN P	ATENT DOCUMENTS				
EXAMINER									
INITIAL		Doco	MENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
	AL							Yes No	
								Yes	
	AM	┼		_		ļ		No	
	AN							Yes No	
	AO							Yes No	
	AP	<u> </u>						Yes	
	AP		Tres (Tesledie	- luthon Mi	tle Date Bestieset Bes			No	
	OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Shen, L., et al., "Recombinant Virus Vaccine-Induced SIV-Specific CD8* Cytotoxic T Lymphocytes," Science 252:440-443, American Association for the Advancement of Science (1991)								
	AS	Tanimori, H., et al., "Enzyme Immunoassay of Neocarzinostatin Using β- Galactosidase as Label," J. Pharm. Dyn. 4:812-819, Pharmaceutical Society of Japan (1981)							
	Townsend, A., and Bodmer, H., "Antigen recognition by class I-restricted T lymphocytes," Ann. Rev. Immunol. 7:601-624, Annual Reviews, Inc. (1989)								
EXAMINER						DATE (CONSIDERED		
	-								

Page 93 of 129

OIPE VC/186	
WAN 1'1 JOUR THE	
FIFT & TRAUE MA	FC

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 1700.0300001/BJD/SJE	APPLICATION NO. 10/622,064
APPLICANT BACHMANN et al.	
FILING DATE July 18, 2003	GROUP 1645

July 18, 2003 1645									
U.S. PATENT DOCUMENTS									
EXAMINER INITIAL		DOCU	MENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE	
	AA								
	AB	<u> </u>				<u> </u>			
	AC	ــــــ				<u> </u>			
	AD	↓				<u> </u>	<u> </u>		
	AE	 				↓	ļ		
	AF	—				 			
	AG	—				 	 		
	AH	├				 	 		
	AI	┼				 	 	 	
	AJ	+	<u> </u>			-	 	<u></u>	
	AK	Щ.		ECCETON D			<u> </u>		
EXAMINER	Т	Τ	/	FUREIGN PA	ATENT DOCUMENTS	Т	T	ı	
INITIAL		DOCU	MENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
	AL							Yes No	
	АМ							Yes No	
	AN							Yes No	
	AO							Yes No	
	AP							Yes No	
_	I AF		THER (Including	Author, Tit	tle Date Pertinent Pac	l Tes etc	. <u> </u>	1	
	VanCott, T.C., et al., "Antibodies with Specificity to Native gp120 and Neutralization Activity against Primary Human Immunodeficiency Virus Type 1 Isolates Elicited by Immunization with Oligomeric gp160," J. Virol. 71:4319-4330, American Society for Microbiology (1997)								
	AS	Watkins, S.J., et al., "The 'adenobody' approach to viral targeting: specific and enhanced adenoviral gene delivery," <i>Gene Ther</i> . 4:1004-1012, Stockton Press (1997)							
	AT _	93	Willis, A.E., display on a Publishers B.	filamentous	nmunological properties bacteriophage," <i>Gene 12</i>	of fore 8:79-83	ign peptides , Elsevier S	s in multiple Science	
EXAMINER						DATE	CONSIDERED		

Page 94 of 129

OIP E JC/46
1 7 2003 E
1 No. 21
TRACEMFORM PTO-1449

ATTY. DOCKET NO. 1700.0300001/BJD/SJE 10/622,064

APPLICANT
BACHMANN et al.

FILING DATE GROUP
July 18, 2003 1645

INFORMATION DISCLOSURE STATEMENT

					July 18, 2003		1645	
U.S. PATENT DOCUMENTS								
EXAMINER			!	· '				
INITIAL	 	Docu	MENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA							
	AB AC				<u></u>			
	AD				<u> </u>	 	 	
	AE							
	AF							
	AG							
	АН							
	AI							
	AJ							
	AK							
				FOREIGN P	ATENT DOCUMENTS			
EXAMINER								
INITIAL	 	DOCU	MENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL	<u> </u>				'		Yes No
	AM	f						Yes No
						·		Yes
	AN	 				<u> </u>		No Yes
	AO	 				ļ	<u> </u>	No
	AP							Yes No
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)								
	AR Dialog File 351, Accession No. 9831660, Derwent WPI English language abstract for WO 94/06472 (Document AP3)							
	AS	International Preliminary Examination Report for International Application No. PCT/IB99/01925, European Patent Office, Munich (August 2000) (not for publication)						
	AT /	94	International European Pate	l Search Repo ent Office, N	ort for International App Netherlands (June 2000)	(not for	r publicatio	:B99/01925, on)
EXAMINER						DATE (CONSIDERED	

Page 95 of 129

OIP E VOIGE	
NOV 1.7 2003 2	
REAL CONFES	ATTY. DOCKET NO. 1700.0300001/BJD/
FORM PTO-1449	APPLICANT

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 1700.0300001/BJD/SJE	APPLICATION NO. 10/622,064
APPLICANT BACHMANN et al.	
FILING DATE	GROUP

					July 18, 2003	1645		
				U.S.	PATENT DOCUMENTS			
EXAMINER INITIAL		DOCUM	MENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA							
	AB							
	AC							
	AD	L						
	AE	ļ		<u> </u>		ļ		
	AF	<u> </u>				<u> </u>		!
	AG	<u> </u>		 		<u> </u>		
	AH	<u> </u>		<u> </u>		<u> </u>		
. <u> </u>	AI					ļ		
	AJ	<u> </u>		_				
	AK	<u> </u>	<u>. </u>		<u> </u>		<u> </u>	
				FOREIG	N PATENT DOCUMENTS		, 	
EXAMINER INITIAL		DOCUM NUMBE		DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL							Yes No
	AM							Yes No
	AN				·			Yes No
	AO						_	Yes No
	AP							Yes No
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)								
	AR	<u>95</u>	NCBI Entre (January 1	z, GenBank Re 990)	eport, Accession No. P03153,	from Seeg	jer, C., e	et aï.
	as /	<u>95</u>	NCBI Entrez, GenBank Report, Accession No. X59397, from Jordan, C.T., et al. (November 1991)					
	AT /	<u>95</u>	NCBI Entre (July 1992	z, GenBank Re)	port, Accession No. 711678A	, from Shi	polini, R	.A., et al.
EXAMINER				· · · · · ·	Ι,	DATE CONSI	DERED	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

To the second se

^{::}ODMA\MHODMA\SKGF_DC1;179456;2

Page 96 of 129

NOV 1 7 2003 5	
PRADEMARK FORM	I

FORM PTO-1449

ATTY. DOCKET NO. 1700.0300001/BJD/SJE

APPLICATION NO. 10/622,064

APPLICANT

BACHMANN et al.

INFORMATION DISCLOSURE STATEMENT FILING DATE
July 18, 2003

GROUP 1645

			 		July 18, 2003	1645		
				U.S.	PATENT DOCUMENTS			
EXAMINER INITIAL		DOCUI	MENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA	ļ						
	AB	ļ						
	AC			<u> </u>				
	AD	<u> </u>		ļ			ļ	
	AE	 		<u> </u>				
	AF	ļ						
	AG	<u> </u>						
	AH	-					_	
	AI			ļ			+	
	AJ			<u> </u>			-	
	AK			<u> </u>				
		ı	———	FOREIG	N PATENT DOCUMENTS	<u> </u>	<u> </u>	
EXAMINER INITIAL		DOCUI NUMBI		DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL			<u>.</u>				Ye N
	AM			·				Ye N
	AN							Ye:
	AO							Ye:
	AP						_	Ye:
		· · · · · · · · · · · · · · · · · · ·	OTHER (Inclu	ding Author,	Title, Date, Pertinent Page	ges, etc.)		
	AR /	96 96	Falkow, S.	(April 1993)	port, Accession No. M27603			
	AT /	<u>96</u>	NCBI Entre	z, GenBank Re	port, Accession No. AAA374	90, from R	ouvier E.	(July 1993)
EXAMINER						DATE CONS	IDERED	

Page 97 of 129

OIPE VOIGE
NOV 1.7 2003 55
FIRM S TRADEMAND

0-1449

ATTY. DOCKET NO. APPLICATION NO. 1700.0300001/BJD/SJE 10/622,064 APPLICANT BACHMANN et al. GROUP FILING DATE

INFORMATION DISCLOSURE STATEMENT

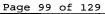
						Ju	ly 18, 2003		1645		
U.S. PATENT DOCUMENTS											
EXAMINER INITIAL		DOCU	JMENT BER	DATE		IMAN	3		CLASS	SUB- CLASS	FILING DATE
	AA										
	AB										
	AC										
	AD								ļ		
	AE					<u> </u>					
	AF								ļ		
	AG				<u>.</u>	ļ	<u>-</u>		<u> </u>		
	АН	ļ				ļ			<u> </u>		
	AI									<u> </u>	
	AJ										<u> </u>
	AK	<u> </u>									<u> </u>
	, <u>.</u>				FOREIG	N PAT	ENT DOCUMENTS			,	
EXAMINER INITIAL		DOCUM	MENT NUMBER		DATE		COUNTRY		CLASS	SUB- CLASS	TRANSLATION
	AL3										Yes No
	АМЗ							_			Yes No
	AN							_			Yes No
· · · · · · · · · · · · · · · · · · ·	AO										Yes No
	AP										Yes No
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)											
	AR	<u>97</u>	NCBI Entre	ez, Ge	enBank Re	port	Accession No	. M90520,	from Kew		al. (August
	AS	<u>97</u>	NCBI Entrez, GenBank Report, Accession No. X00981, from Klemm, P. (September 1993)								
	AT /	<u>97</u>	NCBI Entre Konigsberg	ez, Ge g, W.	enBank Re (Decembe	port, er 199	Accession No	. VCBPQB,	from Mait	ca, T., an	nd
EXAMINER		-	-]	DATE CONSI	DERED	

Page 98 of 129

OIP E VCTOS
(NOV 1 7 2003 2
FORM PTO-1449

ATTY. DOCKET NO. 1700.0300001/BJD/SJE	APPLICATION NO. 10/622,064
APPLICANT BACHMANN et al.	
FILING DATE	GROUP

INFORMATION DISCLOSURE STATEMENT July 18, 2003 1645 U.S. PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT DATE NAME CLASS SUB-FILING DATE NUMBER CLASS AA AB AC ΑD ΑE ΑF AG AΗ ΑI АJ ΑK FOREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT DATE COUNTRY CLASS SUB-TRANSLATION NUMBER CLASS Yes ALNo Yes AΜ No Yes AN No Yes ΑO No Yes AΡ No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) NCBI Entrez, GenBank Report, Accession No. AAA16663, from Kozlovska, T.M., et al. AR <u>98</u> (March 1994) NCBI Entrez, GenBank Report, Accession No. X02514, from Yanisch-Perron, C., et AS 98 al. (May 1994) NCBI Entrez, GenBank Report, Accession No. X85256, from Lai, M.E., et al. (April AΤ <u>98</u> 1995) EXAMINER DATE CONSIDERED



/	OIPE VOICE
	HOV 1 7 2003 2
4	TIENT & TRADENTE

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 1700.0300001/BJD/SJE	APPLICATION NO. 10/622,064	
APPLICANT BACHMANN et al.		
FILING DATE	GROUP	

					July 18, 2003	1645					
		•	· · · · · · · · · · · · · · · · · · ·	v.s.	PATENT DOCUMENTS						
EXAMINER INITIAL		DOCU NUME	JMENT BER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE			
	AA										
	АВ										
	AC										
	AD										
	AE										
	AF		<u> </u>								
	AG										
	AH										
	AI					1					
	AJ										
	AK										
				FOREIG	N PATENT DOCUMENTS						
EXAMINER INITIAL		DOCU	JMENT BER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION			
	AL							Yes No			
	АМ							Yes No			
	AN							Yes No			
	AO							Yes No			
	AP							Yes No			
		(OTHER (Incl	uding Author,	Title, Date, Pertinent Pa	ges, etc.)					
	AR	<u>99</u>	NCBI Entre	ez, GenBank Re	eport, Accession No. X85259	, from Lai	i, M.E., e	t al., (April			
	AS	<u>99</u>	NCBI Entre 1995)	NCBI Entrez, GenBank Report, Accession No. X85260, from Lai, M.E., et a 1995)							
	AT /	<u>99</u>	NCBI Entre	ez, GenBank Re	eport, Accession No. X85272	, from Lai	i, M.E., e	t al. (April			
EXAMINER	<u> </u>					DATE CONS	SIDERED	,			

Page 100 of 129



FORM PTO-1449

ATTY. DOCKET NO. 1700.0300001/BJD/SJE	APPLICATION NO. 10/622,064
APPLICANT BACHMANN et al.	
FILING DATE	GROUP

INF	ORMATION	1 DIS	CLOSURE STA	TEMENT		FILING DATE July 18, 2003 GROUP 1645						
<u></u>				v.s.	PA	TENT DOCUMENTS						
EXAMINER INITIAL		DOCT NUMI	JMENT BER	DATE	Π	AME	CI	ASS	SUB- CLASS		FILING	DATE
	AA				L							
	AB				L		ļ			_		
	AC				┖					_		
	AD	<u> </u>			╄		<u> </u>			_		• • • • • • • • • • • • • • • • • • • •
	AE				╀		_			_		
	AF	<u> </u>			╁					_		_
	AG	-			╀		ļ					
	AH	ļ			╀							
	AI	ļ			╀							
	AJ	-			╀					_		
	AK			_			L.					
	<u> </u>			FOREIG	N	PATENT DOCUMENTS						
EXAMINER INITIAL		DOCU	JMENT BER	DATE	С	OUNTRY	CI	Ass	SUB- CLASS		TRANSL	ATION
	AL											Yes No
	АМ											Yes No
	AN											Yes No
	AO											Yes No
	AP											Yes No
			OTHER (Incl	uding Author,	T	itle, Date, Pertinent Page	es,	etc.)				
	AR	100	NCBI Entre	z, GenBank Re	po	rt, Accession No. X85275,	fro	m Lai,	M.E.,	et	al. (A	pril
	AS	<u>,100</u>	NCBI Entre	z, GenBank Re	:po	rt, Accession No. X85284,	fro	m Lai,	M.E.,	et	al. (A	pril
	AT /	<u>100</u>	NCBI Entre	ez, GenBank Re	po	rt, Accession No. X85285,	fro	m Lai,	M.E.,	et	al. (A	pril
EXAMINER	I		<u> </u>			I	DATE	CONSI	DERED			<u>-</u>

Page 101 of 129



FORM PTO-1449

ATTY. DOCKET NO. 1700.0300001/BJD/SJE	APPLICATION NO. 10/622,064
APPLICANT BACHMANN et al.	
FILING DATE	GROUP

INF	ORMATION	DISC	CLOSURE STA	TEMENT		FILING DATE July 18, 2003			GROUP 1645			
			· · · · · · · · · · · · · · · · · · ·	v.s.	PAT	ENT DOCUMENTS						
EXAMINER INITIAL		DOCU NUME	JMENT BER	DATE	NA	ме	·	CL	ASS	SUB- CLASS	F	ILING DATE
	AA				<u> </u>							
	AB	ļ		<u>, </u>	<u> </u>							·
	AC											
	AD	<u> </u>			<u> </u>							
	AE	<u> </u>	. <u></u> !		<u> </u>							
	AF	ļ <u>.</u>			↓							
	AG	<u> </u>										
	AH	<u> </u>										
	AI	<u> </u>										
	AJ											
	AK	<u> </u>										
				FOREIG	N P	ATENT DOCUMENTS						
EXAMINER INITIAL		DOCU	JMENT BER	DATE	cc	UNTRY		CL.	ASS	SUB- CLASS	Т	RANSLATION
	AL						-			_		Yes No
	AM		180 11 80									Yes No
	AN											Yes No
	AO				ļ_							Yes No
	AP											Yes No
_			OTHER (Incl	uding Author,	Ti	tle, Date, Pertine	nt Pa	ges,	etc.)			
	AR 🗸	101	NCBI Entre	ez, GenBank Re	epor	t, Accession No. X	<85286	, fro	om Lai,	M.E.,	et a	1. (April
	AS	<u>101</u>	NCBI Entre	ez, GenBank Re	epor	t, Accession No. X	(85287	, fro	om Lai,	М.Е.,	et a	l. (April
	АТ	<u>,101</u>	NCBI Entre	ez, GenBank Re	epor	t, Accession No. X	(85291	, fro	om Lai,	M.E.,	et a	1. (April
EXAMINER			·					DATE	CONSI	DERED		

Page 102 of 129

OIP	E JC/30
(NOV 1	7 2003 2
TENTS T	RADEMART

FORM PTO-1449

ATTY. DOCKET NO. 1700.0300001/BJD/SJE	APPLICATION NO. 10/622,064
APPLICANT BACHMANN et al.	
FILING DATE	GROUP

INFC	RMATION	DISC	CLOSURE STA	TEMENT		FILING DATE July 18, 2003 GROUP 1645			>		
				υ.s.	P#	ATENT DOCUMENTS					
EXAMINER INITIAL		DOCU NUME	JMENT BER	DATE	N	IAME	CLI	Ass	SUB- CLASS	FILING DATE	
	AA				L						
	AB				L						
	AC	ļ			L						
	AD	ļ			丄		$oxed{oxed}$				
	AE	ļ			丄		igspace				
	AF	ļ			丄		igspace				
	AG	<u> </u>			丄	-	Щ				
	AH	<u> </u>			\downarrow		<u> </u>				
	AI	<u> </u>			\downarrow		<u> </u>				
	AJ	<u> </u>			丰		igspace				
	AK	<u> </u>			上		<u> </u>				
				FOREIGN	N	PATENT DOCUMENTS					
EXAMINER INITIAL					COUNTRY			Ass	SUB- CLASS	TRANSLATION	
	AL									Yes No	
	AM									Yes No	
	AN									Yes No	
	AO									Yes No	
	AP									. Yes	
	<u></u>		OTHER (Incl	uding Author,	т	itle, Date, Pertinent Page	s,	etc.)			
	AR	102	-			ort, Accession No. X85293,			M.E., et	: al. (April	
	AS NCBI Entrez, GenBank Report, Accession No. X85295, from Lai, M.E., et al. (Apr 1995)									: al. (April	
	AT /	<u>102</u>	NCBI Entre	z, GenBank Rep	:po	ort, Accession No. X85296,	fro	m Lai,	M.E., et	al. (April	
EXAMINER						E	DATE	CONSI	DERED	-	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

-

Page 103 of 129



FORM PTO-1449

	APPLICATION NO. 10/622,064
APPLICANT BACHMANN et al.	
FILING DATE	GROUP

<u>IN</u>	FORMATION	1 DISC	CLOSURE STA	ATEMENT		FILING DATE July 18, 2003	GROUP 1645				
				v.s.	PA	TENT DOCUMENTS					
EXAMINER INITIAL		DOCU NUME	JMENT BER	DATE	N	AME	CL	ASS	SUB- CLASS	F	FILING DATE
	AA										
	AB										
	AC				L						
	AD				┖						
	AE				┖		1_				
	AF			<u>-</u>	┖						
	AG				┸						
	AH				\perp						
÷	AI		<u> </u>		\perp						
	AJ	<u> </u>			\perp		ļ				
	AK						<u> </u>				
	ļ <u>.</u>			FOREIG	N	PATENT DOCUMENTS					
EXAMINER INITIAL		DOCUMENT NUMBER		DATE	c	OUNTRY	CL	ASS	SUB- CLASS	Т	RANSLATION
	AL										Yes No
					T					\neg	Yes
	AM	ļ			╀		+			_	No
	AN						$oldsymbol{ol}}}}}}}}}}}}}}}}}}$				Yes No
	AO										Yes No
	AP										Yes No
	, AF		OTTER (Incl	uding Author	٠,	itle, Date, Pertinent Pag		o+a \			NO
	AR	103				rt, Accession No. X85297,			M.E.,	et a	al. (April
	AS	103	NCBI Entre	ez, GenBank Re	epo	rt, Accession No. X85298,	fro	om Lai,	M.E.,	et a	al. (April
	AT /	103	NCBI Entre	ez, GenBank Re	epo	rt, Accession No. X85299,	fro	om Lai,	M.E.,	et a	al. (April
EXAMINER		_					DATE	CONSI	DERED		

Page 104 of 129



FORM PTO-1449

ATTY. DOCKET NO.
1700.0300001/BJD/SJE

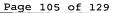
APPLICANT
BACHMANN et al.

FILING DATE

APPLICATION NO.
10/622,064

APPLICATION NO.
10/622,064

INF	ORMATION	DISC	CLOSURE STA	TEMENT	FILING DATE July 18, 2003		GROUP 1645				
				v.s.	PATENT DOCUMENTS		<u> </u>	=			
EXAMINER INITIAL		DOCU NUME	JMENT BER	DATE	NAME	CL	ASS	SUB- CLASS	FIL	ING DATE	
	AA										
	АВ		_								
	AC		:								
	AD										
	AE										
	AF										
	AG										
	AH			· · · · · · · · · · · · · · · · · · ·						<u> </u>	
	AI	<u> </u>									
	AJ										
	AK										
				FOREIG	N PATENT DOCUMENTS						
EXAMINER INITIAL	i	DOCT NUME	JMENT BER	DATE	COUNTRY	CT	ASS	SUB- CLASS	TRA	NSLATION	
	AL			3 .				:		Yes No	
										Yes	
	AM	<u> </u>								No	
:	AN									Yes No	
	AO									Yes No	
	AP								,	Yes No	
			OTHER (Incl	uding Author,	Title, Date, Pertinent	Pages,	etc.)				
	AR /	104	NCBI Entre	z, GenBank Re	port, Accession No. X85	301, fro	om Lai,	M.E.,	et al.	(April	
	AS	<u>104</u>	NCBI Entre	z, GenBank Re	port, Accession No. X85	302, fro	om Lai,	M.E.,	et al.	(April	
	АТ	<u>104</u>	NCBI Entre	ez, GenBank Re	port, Accession No. X85	303, fro	om Lai,	M.E.,	et al.	(April	
EXAMINER						DATE	CONSI	DERED			





FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 1700.0300001/BJD/SJE	APPLICATION NO. 10/622,064
APPLICANT BACHMANN et al.	
FILING DATE July 18, 2003	GROUP 1645

					Duly 18, 2003	1043				
				U.S.	PATENT DOCUMENTS					
EXAMINER INITIAL		DOCU NUMB	JMENT BER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE		
	AA									
	AB	Ĺ								
-	AC					<u> </u>				
	AD	<u> </u>			ļ	<u> </u>	ļ			
	AE	 								
	AF	 		<u> </u>		<u> </u>	<u> </u>			
	AG	├		<u> </u>		-	 			
	AH	├─			 		 	<u> </u>		
	AI	 		 			 			
	AJ 、	-	,	<u> </u>	———	-		-		
	AK .			POPRIC.	- Damarim Dominiarime					
EXAMINER	T :	Π		FUREIG	N PATENT DOCUMENTS	Т	Τ	1		
INITIAL		DOCU NUMB	JMENT BER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION		
	AL							Yes No		
2	AM			!				Yes No		
	AN							Yes No		
						 		Yes		
	AO	 		 	,	 	 	No		
	AP							Yes No		
OTHER (Including Author, Title, Date, Pertinent Pages						es, etc.)				
	AR	NCBI Entrez, GenBank Report, Accession No. X85305, from Lai, M.E., et al. (April 1995)								
	AS /	<u>105</u>	NCBI Entrez, GenBank Report, Accession No. X85307, from Lai, M.E., et al. (April 1995)							
	АТ	<u>105</u>	NCBI Entre	z, GenBank Re	port, Accession No. X85311,	from Lai,	M.E., et	al. (April		
EXAMINER					I	DATE CONSI	DERED	-		

Page 106 of 129

NOV 1.7 2003
FORM PTO

0-1449

ATTY. DOCKET NO. 1700.0300001/BJD/SJE APPLICATION NO. 10/622,064 APPLICANT BACHMANN et al.

INF	ORMATION	DIS	CLOSURE STA	TEMENT	FILING DATE July 18, 2003		GROUP 1645			
			·-·-	v.s.	PATENT DOCUMENTS					
EXAMINER INITIAL		DOCT NUME	JMENT BER	DATE	NAME	CI	ASS	SUB- CLASS	FI	LING DATE
	AA									
	AB									
	AC									
	AD	<u> </u>								
	AE									
	AF									
	AG									
	HA									
	ΙA									
	АJ									
	AK									
				FOREIG	N PATENT DOCUMENTS					
EXAMINER INITIAL		DOCU	JMENT BER	DATE	COUNTRY	CL	ASS	SUB- CLASS	TR	ANSLATION
	AL		. 1							Yes No
			,							Yes
	AM	 								No
	AN									Yes No
	AO									Yes No
	AP						-		,	Yes No
		. (OTHER (Incl	uding Author,	Title, Date, Pertinent P	ages,	etc.)			
	AR	<u>106</u>			port, Accession No. X8531			М.Е.,	et al	. (April
	AS	<u>106</u>	NCBI Entre	ez, GenBank Re	port, Accession No. X8531	5, fr	om Lai,	М.Е.,	et al	. (April
	AT /	106	NCBI Entre	ez, GenBank Re	port, Accession No. X8531	6, fr	om Lai,	M.E.,	et al	. (April
EXAMINER						DATE	CONSI	DERED		

Page 107 of 129

NOV 17 7003	LOFFICE
TENT & TRACEME	FOR

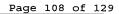
communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 1700.0300001/BJD/SJE	APPLICATION NO. 10/622,064
APPLICANT BACHMANN et al.	
FILING DATE	GROUP

					July 18, 2003	1645			
				υ. s.	PATENT DOCUMENTS				
EXAMINER INITIAL		DOCU NUME	MENT BER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE	
-	AA								
	АВ		_						
	AC		<u>.</u>						
	AD		7						
	AE		_						
	AF								
,	AG								
	АН								
	AI								
	AJ								
	AK								
				FOREIG	N PATENT DOCUMENTS				
EXAMINER INITIAL		DOCU NUME	JMENT BER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
	AL							Yes No	
	AM							Yes No	
	AN							Yes No	
	AO							Yes No	
	AP							Yes No	
			OTHER (Incl	uding Author,	Title, Date, Pertinent Page	s, etc.)			
	OTHER (Including Author, Title, Date, Pertinent Pages, etc.) NCBI Entrez, GenBank Report, Accession No. X85317, from Lai, M.E., et al. (April 1995)								
	AS	NCBI Entrez, GenBank Report, Accession No. X85319, from Lai, M.E., et al. (April 1995)							
	AT 107 NCBI Entrez, GenBank Report, Accession No. X80925, from Karayiannis, P. (December 1995)							P. (December	
EXAMINER	<u></u>				I	DATE CONSI	DERED		
EXAMINER: I line through	EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next								



OIPE JO	130
HON 1 3 SOO	3 30
PATENT 8 TRADE	, LEE

ATTY. DOCKET NO. APPLICATION NO.
1700.0300001/BJD/SJE 10/622,064

APPLICANT
BACHMANN et al.

INFORMATION DISCLOSURE STATEMENT

FILING DATE
July 18, 2003 1645

					Buly 10, 2003	1043		
				U.S.	PATENT DOCUMENTS			
EXAMINER INITIAL	·	DOCU NUMB	JMENT BER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA							
	АВ							
	AC	<u> </u>						
	AD	<u> </u>				ļ. <u></u>	<u> </u>	
	AE	ــــــ				 '	<u> </u>	
	AF	ــــــ						
	AG	├ ─				 		
	AH	 					<u> </u>	
	AI	├─				ļ'	 	
	AJ	├─		<u> </u>		ļ	ļJ	
<u> </u>	AK							
	T	Г		FOREIGN	N PATENT DOCUMENTS	T		T
EXAMINER INITIAL		DOCU NUMB	UMENT BER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL					<u></u>		Yes No
	AM							Yes No
	AN							Yes No
								Yes
	AO	 						No Yes
	AP	<u> </u>		<u> </u>				No
			OTHER (Incl	uding Author,	Title, Date, Pertinent Page	etc.)		
	AR 108 NCBI Entrez, GenBank Report, Accession No. AAC50341, from Yao, Z., et al. (January 1996)							al.
	AS	108	NCBI Entrez, GenBank Report, Accession No. X72702, from Preisler-Adams, S., et al. (February 1996)					
	AT	108	NCBI Entre	z, GenBank Re	port, Accession No. VCBPR7,	from Webe	r, K., et	al. (April
EXAMINER					Ţ	DATE CONSI	DERED	

Page 109 of 129

OIPE JOJE
1 7 2003 33 S
FIFT & TRADEMAR

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 1700.0300001/BJD/SJE 10/622,064

APPLICANT BACHMANN et al.

FILING DATE GROUP

					July 18, 2003	1645		
				v.s.	PATENT DOCUMENTS			
EXAMINER INITIAL		DOCU NUMB	MENT EER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA							
	AB							
	AC							
	AD							
	AE					ļ		
	AF	L						
_	AG							
	AH		_					
	AI							
	AJ							
	AK							
		,		FOREIG	N PATENT DOCUMENTS			<u></u>
EXAMINER INITIAL		DOCU NUME	MENT BER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL							Yes No
	AM		i	<u></u>				Yes No
	AN							Yes No
	AO			:				Yes No
	AP							Yes No
		(OTHER (Incl	uding Author,	Title, Date, Pertinent Pag	es, etc.)		
	AR 109 NCBI Entrez, GenBank Report, Accession No. 1604193A, from Gomez, F., et al. (October 1996)							
	AS	NCBI Entrez, GenBank Report, Accession No. B56338, from Hoffman, D.R. (May 1997)						
	AT /	109	NCBI Entre	ez, GenBank Re	port, Accession No. U95551,	from Rao,	B.S., et	al. (June
EXAMINER	· · · · ·			<u>-</u>		DATE CONSI	DERED	

Page 110 of 129



FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 1700.0300001/BJD/SJE	APPLICATION NO. 10/622,064
APPLICANT BACHMANN et al.	
FILING DATE July 18, 2003	GROUP 1645

				П. S.	PATENT DOCUMENTS		-	· · · · · · · · · · · · · · · · · · ·
EVANTAGED	Τ	Τ		J.B.	PATENT DOCUMENTS	T	T	
EXAMINER INITIAL		DOCU	JMENT BER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA							
	AB							
	AC							
	AD							
	AE							
	AF							
	AG							
	АН	1					1	
,	AI					1	T .	
	AJ					<u> </u>		1
	AK							
	.L			FOREIG:	N PATENT DOCUMENTS	<u></u>	-t	<u> </u>
EXAMINER		Т				T		
INITIAL		DOCU NUME	JMENT BER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL							Yes No
								Yes
	AM	┼				 	 	No
	AN							Yes No
-		†		-		1		Yes
	AO							No
								Yes
	AP			<u> </u>	<u> </u>	<u> </u>		No
			OTHER (Incl	uding Author,	Title, Date, Pertinent Page	es, etc.)		
	NCBI Entrez, GenBank Report, Accession No. S14764, from Vandermeers, A., et al. (October 1997)							
	AS /	AS 110 NCBI Entrez, GenBank Report, Accession No. P03611, from Weber, K., et al. (November 1997)						
	AT 110 NCBI Entrez, GenBank Report, Accession No. AAC14699, from Beekwilder, M.J., et al. (April 1998)							
EXAMINER						DATE CONSI	DERED	

Page 111 of 129

OLD E JOIG	צוניב
May 1. 1 L	S O X
PATENT & TRADES	F01

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 1700.0300001/BJD/SJE	APPLICATION NO. 10/622,064
APPLICANT BACHMANN et al.	
FILING DATE	GROUP

					July 18, 2003	1645		
				U.S.	PATENT DOCUMENTS			
EXAMINER INITIAL		DOCU	JMENT BER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA							
	AB		·					
	AC							
	AD	<u> </u>						
	AE	<u> </u>					<u> </u>	
	AF	↓		 '		<u>. </u>		
	AG	 				<u> </u>		
	AH	↓				_		
	AI	↓		<u> </u>				<u> </u>
	AJ	↓		<u> </u>			 	
	AK	Щ_			<u> </u>			
				FOREIG	N PATENT DOCUMENTS			
EXAMINER INITIAL		DOCU NUMB	JMENT BER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL							Yes No
	MA							Yes No
	AN							Yes No
	AO							Yes No
	AP							Yes No
			OTHER (Incl	uding Author,	Title, Date, Pertinent Page	es, etc.)		
	AR 111 NCBI Entrez, GenBank Report, Accession No. AAC14704, from Beekwilder, M.J., et al. (April 1998)						M.J., et	
	AS 111 NCBI Entrez, GenBank Report, Accession No. AF043593, from Gunther, S., et al. (May 1998)							
	AT 111 NCBI Entrez, GenBank Report, Accession No. 1POC, from Scott, D.L., et al. (September 1998)						; al.	
EXAMINER	<u> </u>				1	DATE CONSI	IDERED	

Page 112 of 129



FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

		-
ATTY. DOCKET NO. 1700.0300001/BJD/SJE	APPLICATION NO. 10/622,064	
APPLICANT BACHMANN et al.		
FILING DATE July 18, 2003	GROUP 1645	_

					Toury 10, 2003	1043		
				U.S.	PATENT DOCUMENTS			
EXAMINER INITIAL	:	DOCU	JMENT BER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA							
	AB							
	AC							
	AD							
	AE							
	AF	<u> </u>						
	AG							
	AH							
	AI	ļ					ļ	
	AJ							
	AK							
				FOREIG	N PATENT DOCUMENTS			,
EXAMINER INITIAL		DOCU NUME	JMENT BER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL							Yes No
								Yes
	AM	<u> </u>				<u> </u>	<u> </u>	No
	AN							Yes No
	AO							Yes No
	AU	 						Yes
	AP							No
		(OTHER (Incl	uding Author,	Title, Date, Pertinent Pag	es, etc.)		
	AR 112 NCBI Entrez, GenBank Report, Accession No. CAA30374, from Inokuchi, Y., et al. (February 1999)						., et al.	
	AS	AS 112 NCBI Entrez, GenBank Report, Accession No. X02496, from Bichko, V., et al. (April 1999)						
AT 112 NCBI Entrez, GenBank Report, Accession No. MFIV62, from Cox, N.J., et al. (July 1999)						al. (July		
EXAMINER						DATE CONSI	DERED	

Page 113 of 129



FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 1700.0300001/BJD/SJE	APPLICATION NO. 10/622,064
APPLICANT BACHMANN et al.	
FILING DATE	GROUP

					July 18, 2003	164	5	· ··——
U.S. PATENT DOCUMENTS								
EXAMINER INITIAL		DOCU NUME	JMENT BER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA							
	AB							
	AC							
	AD							
<u>.</u>	AE	ļ						
	AF							
	AG	<u> </u>				<u> </u>		
	AH	ļ				<u> </u>		
	AI	ļ				1		
	AJ							
	AK							
				FOREIG	N PATENT DOCUMENTS			
EXAMINER INITIAL		DOCU NUME	JMENT BER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL							Yes No
								Yes
	AM					 		No
	AN							Yes No
	AO							Yes No
	AP							Yes No
					\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1		
	OTHER (Including Author, Title, Date, Pertinent Pages, etc.) AR 113 NCBI Entrez, GenBank Report, Accession No. VCBPFR, from Wittmann-Liebold, B., et al. (July 1999)						oold, B.,	
	AS /	<u>113</u>	NCBI Entrez, GenBank Report, Accession No. A59055, from Hoffman, D.R., and Schmidt, J.O. (August 1999)					
	AT 113 NCBI Entrez, GenBank Report, Accession No. B59055, from Hoffman, D.R., and Schmidt, J.O. (August 1999)					, and		
EXAMINER						DATE CON	ISIDERED	

OPE JC139		Page 114 of 1
ATENT & TRADFORM PTO-1449	ATTY. DOCKET NO. 1700.0300001/BJD/SJE	APPLICATION NO. 10/622,064
FINT & TRAPORM PTO-1449	APPLICANT BACHMANN et al.	
INFORMATION DISCLOSURE STATEMENT	FILING DATE	GROUP

					July 18, 2003		1645		
				U.S.	PATENT DOCUMENTS				
EXAMINER INITIAL		DOCU NUME	JMENT BER	DATE	NAME		CLASS	SUB- CLASS	FILING DATE
	AA								
	AB								
	AC								
	AD								
	AE								
	AF	<u> </u>							
	AG								
	AH	↓							<u> </u>
	AI	↓							<u> </u>
	AJ	 							<u> </u>
	AK				<u>.</u>				
				FOREIG	N PATENT DOCUMENTS			1	T
EXAMINER INITIAL		DOCU NUME	UMENT BER	DATE	COUNTRY	,	CLASS	SUB- CLASS	TRANSLATION
	AL								Yes No
	AM								Yes No
	AN								Yes No
	AO		-						Yes No
		†							Yes
	AP		(71				· - \		No
-	т		OTHER (Inc.	uding Author,	Title, Date, Pert	inent Pages	, etc.)		
	AR	114	NCBI Entre	ez, GenBank Re cember 1999)	eport, Accession No	o. AF051814,	, from Bo	oyd, E.F.,	and Hartl,
	AS	NCBI Entrez, GenBank Report, Accession No. AF051815, from Boyd, E.F., and Hartl, D.L. (September 1999)							
	AT	AT 114 NCBI Entrez, GenBank Report, Accession No. AF110999, from Chang, S.F., et al. (October 1999)					, et al.		
EXAMINER						DA	ATE CONSI	DERED	

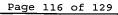
Page 115 of 129

PE JC130	
(O , 7 mm vil	
NOV NEET	
PATENT & TRADE FORM PTO)-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 1700.0300001/BJD/SJE	APPLICATION NO. 10/622,064					
APPLICANT BACHMANN et al.						
FILING DATE	GROUP					

•				_ 				
				U.S.	PATENT DOCUMENTS			
EXAMINER INITIAL		DOCU NUMB	JMENT BER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA							
	AB							
	AC							
	AD							
	AE						_	
	AF	L						
	AG							
	AH			_				
	AI							
	AJ							
	AK							
				FOREIG	N PATENT DOCUMENTS			
EXAMINER INITIAL		DOCU NUME	JMENT BER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL							Yes No
								Yes
	AM							No
	AN							Yes No
	AO							Yes No
	AP							Yes No
			OTHER (Incl	uding Author,	Title, Date, Pertinent Page	es, etc.)		
	AR 115 NCBI Entrez, GenBank Report, Accession No. AB033559, from Okamoto, H., et al. (October 1999)						, et al.	
	AS	<u>115</u>	NCBI Entrez, GenBank Report, Accession No. AB010289, from Koseki, T., et al. (December 1999)					
	AT	NCBI Entrez, GenBank Report, Accession No. AJ132364, from Graupner, S., et al. (April 2000)						
EXAMINER					3	DATE CONSI	DERED	,





AΤ

<u>116</u>

FORM PTO-1449

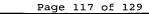
ATTY. DOCKET NO. 1700.0300001/BJD/SJE	APPLICATION NO. 10/622,064		
APPLICANT BACHMANN et al.			
FILING DATE	GROUP		

INFO	RMATION	DISC	CLOSURE STA	TEMENT	FILING DATE July 18, 2003		GROUP 1645		
				v.s.	PATENT DOCUMENTS				
EXAMINER INITIAL		DOCU NUME	MENT BER	DATE	NAME	CLA	SS	SUB- CLASS	FILING DATE
	AA								
	AB	<u> </u>	_						
	AC								
	AD	ļ							
	AE								
	AF								
	AG	<u> </u>							
	AH	<u> </u>							
	AI								
	AJ	<u> </u>				ļ			
	AK								
				FOREIG	N PATENT DOCUMENTS				
EXAMINER INITIAL		DOCU	JMENT BER	DATE	COUNTRY	CLA	ss	SUB- CLASS	TRANSLATION
	AL								Yes No
	АМ								Yes No
	AN								Yes No
	AO								Yes No
	AP								Yes No
		(OTHER (Incl	uding Author,	Title, Date, Pertinent Page	s,	etc.)	_	-
	AR	116	NCBI Entre		port, Accession No. AF237482	2, f	rom Jo	hnson, J.	R., et al.
	AS 116 NCBI Entrez, GenBank Report, Accession No. M32138, from Tong, S.P., et al. (July 2000)				t al. (July				

EXAMINER DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

NCBI Entrez, GenBank Report, Accession No. AF229646, from Skerker, J.M., and Shapiro, L. (August 2000)





FORM PTO-1449

ATTY. DOCKET NO. 1700.0300001/BJD/SJE	APPLICATION NO. 10/622,064
APPLICANT BACHMANN et al.	
FILING DATE	GROUP

INFO	RMATION	DISC	CLOSURE STA	TEMENT		FILING DATE July 18, 2003				
				υ.s.	P/	ATENT DOCUMENTS				
EXAMINER INITIAL		DOCU	JMENT BER	DATE		IAME	CL	ASS	SUB- CLASS	FILING DATE
	AA									
	AB									
	AC				\perp					
	AD				L					
	AE	<u> </u>			L		<u> </u>			
	AF				╙	<u> </u>	1			
·	AG				┸		1			
	AH	<u> </u>			╀-					
	AI	-			╄					
	AJ	ļ			╀		—			1
	AK				L					<u> </u>
				FOREIG	N	PATENT DOCUMENTS				T
EXAMINER INITIAL		DOCU NUME	JMENT BER	DATE	c	COUNTRY	СГ	ASS	SUB- CLASS	TRANSLATION
	1									Yes
	AL	 			╁		+			No
	АМ				L		<u> </u>			Yes No
	AN									Yes No
	AO									Yes No
					T		Ť	•		Yes
	AP				_				<u> </u>	No
	ar /	117				ort, Accession No. M95589,			H., et a	1. (January
	as	117	NCBI Entre (January 2		pc	ort, Accession No. VCBPM2,	fro	om Min	Jou, W.,	et al.
	AT /	117	NCBI Entre		pc	ort, Accession No. AF32308	0, f	rom St	eppan, C.	M., et al.
EXAMINER							DATE	CONSI	DERED	

Page 118 of 129

OIP E VC	13 8
NOV 1 7 2003	FFICE
PATE IN	*
TRADEM!	FORM

ATTY. DOCKET NO. APPLICATION NO.

TE TRAD	EMA		1700.0300001/BJD/SJE 10/622,064					
d Inno	FORM PTO-1449		APPLICANT BACHMANN et al.					
INFORM	MATION DISCLOSURE S'	<u> FATEMENT</u>	FILING DATE July 18, 2003	GROUE 1645				
	U		. PATENT DOCUMENTS					
ER L	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-	FILING DATE		

				v.s.	PATENT DOCUMENTS			
EXAMINER INITIAL		DOCI	JMENT	DATE	NAME	CLASS	SUB-	FILING DATE
		NUMI					CLASS	TIBINO BIND
	AA							
	AB							
	AC							
	AD					į		
	AE							
	AF							
	AG							
	АН							
	AI							
	AJ							
	AK							
				FOREIG	N PATENT DOCUMENTS			
EXAMINER INITIAL		DOCU	JMENT BER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL							Yes No
	АМ							Yes No
	AN							Yes No
	AO							Yes
	AP							Yes No
-	_ Ar		OTHER (Incl	uding Author	Title, Date, Pertinent Pag	res etc)		l NO
	AR	118		ez, GenBank Re	eport, Accession No. AF3230		teppan, C	.M., et al.
	AS	118	NCBI Entre (January 2		eport, Accession No. U14003	, from Plu	nkett, G.,	, III, et al.
	AT /	118	NCBI Entre		eport, Accession No. AF1212	39, from Ha	announ, C	., et al.
EXAMINER	1	<u> </u>	<u> </u>			DATE CONS	IDERED	· · · · · · · · · · · · · · · · · · ·

Page 119 of 129

OIPE O	٠,
ENT & TRADE	NE.

FORM PTO-1449

ATTY. DOCKET NO. 1700.0300001/BJD/SJE 10/622,064

APPLICANT
BACHMANN et al.

FILING DATE GROUP

INFORMATION DISCLOSURE STATEMENT						FILING DATE GROUP July 18, 2003 1645				
				v.s.	PAT	ENT DOCUMENTS				
EXAMINER INITIAL		DOCU	MENT BER	DATE	NA	ме	CL	ASS	SUB- CLASS	FILING DATE
	AA									
	AB									
	AC									
	AD									
	AE									
	AF									
	AG									
	AH									
	AI									
	АJ						<u> </u>			
	AK									
				FOREIG	N P	ATENT DOCUMENTS				
EXAMINER INITIAL		DOCU	JMENT BER	DATE	co	UNTRY	CL	ASS	SUB- CLASS	TRANSLATION
	AL									Yes No
	AM									Yes No
	AN									Yes No
	AO									Yes No
							+			Yes
	AP				<u> </u>	tle, Date, Pertinent Pag				No
	AS	119	NCBI Entr (February	ez, GenBank Re 2001) ez, GenBank Re	epor	t, Accession No. AF12124	0, f	rom Ha		
	AT /	119	NCBI Entr 2001)	ez, GenBank Re	por	t, Accession No. X59795,	fro	om Lai,	M.E., e	t al. (March
EXAMINER							DATE	CONSI	DERED	



Page 120 of 129

FORM PTO-1449

ATTY. DOCKET NO.
1700.0300001/BJD/SJE

APPLICATION NO.
10/622,064

APPLICANT
BACHMANN et al.

FILING DATE

GROUP

<u>INFO</u>	RMATION	DISC	CLOSURE STA	TEMENT	FILING DATE July 18, 2003		GROUP 1645		
				v.s.	PATENT DOCUMENTS				
EXAMINER INITIAL		DOCT NUME	JMENT BER	DATE	NAME	CL	ASS	SUB- CLASS	FILING DATE
	AA								
	AB								
	AC								
	AD								
	AE								
	AF					_			
	AG								
	AH					_			
	AI								
	AJ								
	AK								
				FOREIG	N PATENT DOCUMENTS				
EXAMINER INITIAL		DOCU	UMENT BER	DATE	COUNTRY	CL	ASS	SUB- CLASS	TRANSLATION
	AL								Yes No
						1			Yes
	AM	<u> </u>							No
	AN								Yes No
	AO								Yes No
	AP								Yes No
		(OTHER (Incl	uding Author,	Title, Date, Pertinent I	Pages,	etc.)		
	AR	120	NCBI Entre	ez, GenBank Re	port, Accession No. X652	57, fro	om Lai,	M.E., et	al. (March
	AS	120	NCBI Entre 2001)	ez, GenBank Re	port, Accession No. X652!	58, fro	om Lai,	M.E., et	al. (March
	AT /	120	NCBI Entre	ez, GenBank Re	port, Accession No. AF15	1735, f	rom Ge	erner, P.,	et al.
EXAMINER	<u> </u>		<u> </u>			DATE	CONSI	DERED	

Page 121 of 129



FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 1700.0300001/BJD/SJE	APPLICATION NO. 10/622,064
APPLICANT BACHMANN et al.	
FILING DATE	GROUP

					July 18, 2003	1645		
				v.s.	PATENT DOCUMENTS			
EXAMINER INITIAL		DOCU NUME	JMENT BER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA							
	AB							
	AC							
	AD							
	AE							
	AF							
	AG	<u> </u>						
	AH	<u> </u>						
	AI							
	AJ							
	AK							
				FOREIG	N PATENT DOCUMENTS			
EXAMINER INITIAL		DOCU NUME	JMENT BER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL							Yes No
	АМ							Yes No
	AN							Yes No
	AO							Yes No
	AP							Yes No
		(OTHER (Incl	uding Author,	Title, Date, Pertinent Pag	es, etc.)	•	
	AR	121	NCBI Entre (November	ez, GenBank Re 2001)	port, Accession No. AJ00063	6, from G	ousset, N.	, et al.
	AS	<u>121</u>	NCBI Entre (February		port, Accession No. AAB5942	4, from K	enten, J.H	., et al.
	AT /	121	NCBI Entre		port, Accession No. AAC0625	00, from B	eekwilder,	M.J., et
EXAMINER			· 			DATE CONS	DERED	

Page 122 of 129

OIPE JC,
NOV 17 2000 JULIO
TRATE TRATE IN

FORM PTO-1449

ATTY. DOCKET NO. 1700.0300001/BJD/SJE	APPLICATION NO. 10/622,064
APPLICANT BACHMANN et al.	
FILING DATE	GROUP

INFO	RMATION	DISC	CLOSURE STA	TEMENT		FILING DATE July 18, 2003		GROUP 1645		
				v.s.	PA	TENT DOCUMENTS			<u> </u>	
EXAMINER INITIAL		DOCU	MENT BER	DATE	N.	AME	CI	Ass	SUB- CLASS	FILING DATE
	AA								**	
	AB									
•	AC									
· <u>-</u>	AD		•							
	AE									
	AF									
	AG									
	AH									
	AI									
	AJ				Ī					
	AK				Γ					
				FOREIG	N I	PATENT DOCUMENTS		· · · · · · · · · · · · · · · · · · ·		-
EXAMINER INITIAL		DOCU NUME	JMENT BER	DATE	С	OUNTRY	CI	ASS	SUB- CLASS	TRANSLATION
	AL									Yes No
	AM									Yes No
	AN									Yes No
	AO				T					Yes No
	AP									Yes No
	HP_		OMITED (To a)			itle, Date, Pertinent Pag		\		l NO
	AR	<u>122</u>		ez, GenBank Re		rt, Accession No. L09137,			sch-Perro	n, C., et
,	. /	122	2002)	ez, GenBank Re		rt, Accession No. 009006,				
EXAMINER							DATE	CONSI	DERED	

Page 123 of 129



FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

П	ATTY. DOCKET NO. 1700.0300001/BJD/SJE	APPLICATION NO. 10/622,064
П	APPLICANT BACHMANN et al.	
	FILING DATE	GROUP

					July 18, 2003	1645		
				U.S.	PATENT DOCUMENTS			
EXAMINER INITIAL		DOCU	IMENT BER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA							
	AB							
	AC							
	AD					<u> </u>		
	AE	<u> </u>				<u> </u>		
	AF	ļ						
	AG						ļ	
	AH							
	AI	ļ				ļ		
	AJ							
	AK							<u> </u>
				FOREIG	N PATENT DOCUMENTS			
EXAMINER INITIAL		DOCU	JMENT BER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL							Yes No
	,,,							Yes
	AM	<u> </u>						No
	AN				·			Yes No
			<u>-</u>					Yes
	AO					ļ	·	No
	AP				, ·			Yes No
	-		OTHER (Incl	uding Author,	Title, Date, Pertinent Pag	es, etc.)		
	AR	<u>123</u>	NCBI Entre (June 2002	ez, GenBank Re	port, Accession No. P34884,	from Bern	nhagen, J.	, et al.
	AS	<u>123</u>	NCBI Entre (June 2002	ez, GenBank Re	port, Accession No. P06821,	from Wint	er, G., e	t al.
	AT	<u>123</u>	NCBI Entre 2002)	z, GenBank Re	port, Accession No. P30904,	from Saka	ai, M., et	al. (June
EXAMINER			.			DATE CONSI	DERED	****
			· · · · · · · · · · · · · · · · · · ·					

Page 124 of 129

PE JC,	
NOV 17 2003	
PIENT & TRADENT	1

FORM PTO-1449

ATTY. DOCKET NO. APPLICATION NO. 1700.0300001/BJD/SJE 10/622,064

APPLICANT BACHMANN et al.

FILING DATE GROUP

INFO	NOITAMRO	N DIS	CLOSURE STA	ATEMENT		FILING DATE July 18, 2003		GROUP 1645		
				v.s.	P#	TENT DOCUMENTS				
EXAMINER INITIAL		DOCU	JMENT BER	DATE	N	АМЕ	CL	ASS	SUB- CLASS	FILING DATE
	AA				Ι					
	AB				\prod					
	AC				\mathbb{L}					
	AD				\perp					
	AE	<u> </u>			上					
	AF				上					
	AG				$oldsymbol{\perp}$					
	AH				上					
	AI				上					
	AJ				上		1	-		
	AK				上		<u> </u>			
				FOREIG	N	PATENT DOCUMENTS				
EXAMINER INITIAL		DOCT NUMI	UMENT BER	DATE	C	OUNTRY	CL	ASS	SUB- CLASS	TRANSLATION
	AL									Yes No
	AM									Yes No
	AN									Yes No
	AO									Yes No
	AP									Yes No
	.•		OTHER (Inc.)	luding Author,	т	itle, Date, Pertinent Pag	es.	etc.)	1	
	AR	124	NCBI Entre	ez, GenBank Re 3)	•p0	rt, Accession No. NP_0407	54,	from I	nokuchi,	Y., et al.
	AS	124	NCBI Entre (September	ez, GenBank Re r 2003)	•po	rt, Accession No. NP_0613	54,	from I	shikawa,	S., et al.
	AT	124	NCBI Entre		•po	rt, Accession No. NP_0318	04,	from I	enda, D.M	., et al.
EXAMINER							DATE	CONSI	DERED	

Page 125 of 129

/0	OUR THE
(MON 177	W SPRICE SUN
SATENT & TR	ADEMAR
	FORM F

FORM PTO-1449

ATTY. DOCKET NO.
1700.0300001/BJD/SJE

APPLICATION NO.
10/622,064

APPLICANT
BACHMANN et al.

FILING DATE

GROUP

INFO	RMATION	DISC	CLOSURE STA	TEMENT		FILING DATE July 18, 2003		GROUP 1645		
<u>=</u> <u>=</u>	•			v.s.	PA	TENT DOCUMENTS				
EXAMINER INITIAL		DOCU NUMB	MENT EER	DATE		AME	CL	ASS	SUB- CLASS	FILING DATE
	AA									
-	AB									
	AC									
	AD									
	AE									
	AF			\\			<u> </u>			
	AG				1		<u> </u>			
	AH						<u> </u>			
	AI									
·	AJ					•				
	AK								<u> </u>	
				FOREIG	N I	PATENT DOCUMENTS				
EXAMINER INITIAL	,	DOCU	IMENT BER	DATE	C	OUNTRY	CIT	ASS	SUB- CLASS	TRANSLATION
	AL									Yes No
										Yes
	AM				╁╌		 			No Yes
	AN				╁╌		+			No Yes
	AO	<u> </u>			+	·	<u> </u>			No
	AP				<u>L</u>					Yes No
			THER (Incl	uding Author,	Ti	itle, Date, Pertinent Pag	es,	etc.)		
	AR /	125	NCBI Entre (September	ez, GenBank Re 2003)	epo:	rt, Accession No. NP_0064	10,	from I	Luther, S.	A., et al.
	AS	<u>125</u>	NCBI Entre (September	ez, GenBank Re c 2003)	epo:	rt, Accession No. NP_0007	48,	from \	7ao, G.Q.,	et al.
	AT /	<u>125</u>	NCBI Entre (September		epo:	rt, Accession No. P03069,	fro	om Hinr	nebusch, A	G., et al.
EXAMINER							DATE	CONSI	DERED	:

Page 126 of 129

/	OIPE VC	8
(NOV 1 7 2003	FICE
-	PATE TRADEMA	
	& TRAUC	FORM

PTO-1449

ATTY. DOCKET NO. APPLICATION NO. 1700.0300001/BJD/SJE 10/622,064 APPLICANT BACHMANN et al.

INFO	RMATION	DISC	CLOSURE STA	TEMENT	FILING DATE July 18, 2003	GROT 1645		
				v.s.	PATENT DOCUMENTS	<u>:-</u>		-
EXAMINER INITIAL		DOCU NUME	JMENT BER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA							
	AB							
	AC							
	AD							
	AE							
	AF	<u> </u>						
	AG							
	AH							
	AI							
	AJ							
	AK							
				FOREIG	N PATENT DOCUMENTS			
EXAMINER INITIAL		DOCU NUME	MENT BER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL							Yes No
	AM							Yes
						1		No Yes
<u> </u>	AN							No Yes
-	AO					<u> </u>		No
	AP							Yes No
		(OTHER (Incl	uding Author,	Title, Date, Pertinent Pag	es, etc.)	
	AR	<u>126</u>	NCBI Entre (September	ez, GenBank Re : 2003)	port, Accession No. 000585	. from Hr	romas, R., e	et al.
	AS	126	NCBI Entre (September		port, Accession No. P14174,	from We	iser, W.Y.,	et al.
	AT	126	NCBI Entre (September	ez, GenBank Re 2003)	port, Accession No. P48061,	from Sp	ootila, L.D.	, et al.
EXAMINER						DATE CON	SIDERED	

Page 127 of 129

6	PEVC
(NO.	1 7 2003 JULY
3	T& TRADEMANT

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 1700.0300001/BJD/SJE	APPLICATION NO. 10/622,064
APPLICANT BACHMANN et al.	
FILING DATE	GROUP

					July 18, 2003	1645				
U.S. PATENT DOCUMENTS										
EXAMINER INITIAL		DOCU NUME	JMENT BER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE		
	AA									
	AB									
	AC									
	AD	<u> </u>								
	AE									
	AF			<u> </u>						
	AG									
	AH									
	AI									
<u>, </u>	AJ									
	AK									
				FOREIG	N PATENT DOCUMENTS	,				
EXAMINER INITIAL		DOCUMENT NUMBER		DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION		
	AL							Yes No		
	АМ							Yes No		
	AN			<u> </u>				Yes No		
	AO							Yes No		
	AP							Yes No		
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)										
	AR 127 NCBI Entrez, GenBank Report, Accession No. P80003, from Vandermeers, A., et al. (September 2003)									
	AS	<u>127</u>	Swiss-Prot/TrEMBL, TN11_Mouse, Primary Accession No. 035235, entered in Swiss-Prot in October 2001							
	АТ	127	Swiss-Prot/TrEMBL, TN11_Human, Primary Accession No. 014788, entered in Swiss-Prot in October 2001							
EXAMINER	•					DATE CONSI	DERED			

Page 128 of 129

OIPE JCIR	
NOV 17 2003 30 30 30 30 30 30 30 30 30 30 30 30	
TRADENT	

FORM PTO-1449

ATTY. DOCKET NO. 1700.0300001/BJD/SJE 10/622,064

APPLICANT BACHMANN et al.

FILING DATE GROUP

INFO	RMATION	DISC	CLOSURE STA	TEMENT	FILING DATE GROUP July 18, 2003 1645				
			-	v.s.	PATENT DOCUMENTS	•			
EXAMINER INITIAL		DOCU NUMB	MENT BER	DATE	NAME	CL	ASS	SUB- CLASS	FILING DATE
	AA								
	AB								
	AC								
	AD								
	AE								
	AF	<u> </u>	· · · · · · · · · · · · · · · · · · ·						
	AG								
	AH								
	AI					\bot			
	AJ								<u> </u>
	AK								
				FOREIG	N PATENT DOCUMENTS				
EXAMINER INITIAL		DOCU	IMENT BER	DATE	COUNTRY	CI	ASS	SUB- CLASS	TRANSLATION
	AL								Yes No
	АМ								Yes No
	AN								Yes No
	AO								Yes No
	AP								Yes No
·-			OTHER (Incl	uding Author,	Title, Date, Pertinent Pa	ges,	etc.)		-
	AR	128		o-pending U.S. , 2002 (NOT P	application 10/264,267, : UBLISHED)	invent	cors Ba	achmann, M	1., filed
	AS	128	Copy of co	o-pending U.S. 7, 2002 (NOT P	application 10/289,456, : UBLISHED)	invent	ors B	achmann et	al., filed
	AT	128		o-pending U.S.	application 10/617,876, : ISHED)	invent	ors Ba	achmann et	al., filed
EXAMINER						DATE	CONSI	DERED	

/	OTP E VOICE
	NOV 1 7 2003 5
/2	ENT & TRADEMANT

	& TRADE!				ATTY. DOCKET NO.		APPL	ICATION NO	age 129 of 129	
FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT					1700.0300001/BJD/SJE 10/622,064					
					APPLICANT BACHMANN et al.					
					FILING DATE July 18, 2003		GROUP 1645			
				v.s.	PATENT DOCUMENTS					
EXAMINER INITIAL		DOCUMENT NUMBER		DATE	NAME		ASS	SUB- CLASS	FILING DATE	
	AA									
	AB								- -	
	AC		.,					ļ		
	AD							ļ <u>.</u>		
	AE							ļ		
	AF	-						ļ		
	AG	+								
	AH	+						<u> </u>		
	AI	+	•					<u> </u>	 	
	AJ	 						 		
	AK							<u>.l</u>		
TVANTUED	<u> </u>	1		FOREIG	O PATENT DOCUMENTS			 		
EXAMINER INITIAL		DOCT NUMI	JMENT BER	DATE	COUNTRY	CI	ASS	SUB- CLASS	TRANSLATION	
	AL								Yes No	
	AM								Yes No	
	AN								Yes No	
	120								Yes	
	AO	-							No	
	AP								Yes No	
			OTHER (Incl	uding Author,	Title, Date, Pertinen	t Pages,	etc.)			
			Conv. of a	-nonding H S	. application 10/346,19	o invon	-ora B	achmann o	+ -1 =:1.4	
	AR	129	January 1	7, 2003 (NOT)	PUBLISHED)	o, inven	JOIS B	acimaini e	c ar., rried	
	1/	1								
										
	AS	129	Copy of co July 18,	o-pending U.S 2003 (NOT PUB)	. application 10/622,08 LISHED)	7, inven	ors B	achmann e	t al., filed	
	/									

EXAMINER DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Copy of co-pending U.S. application 10/622,124, inventors Bachmann et al., filed July 18, 2003 (NOT PUBLISHED)